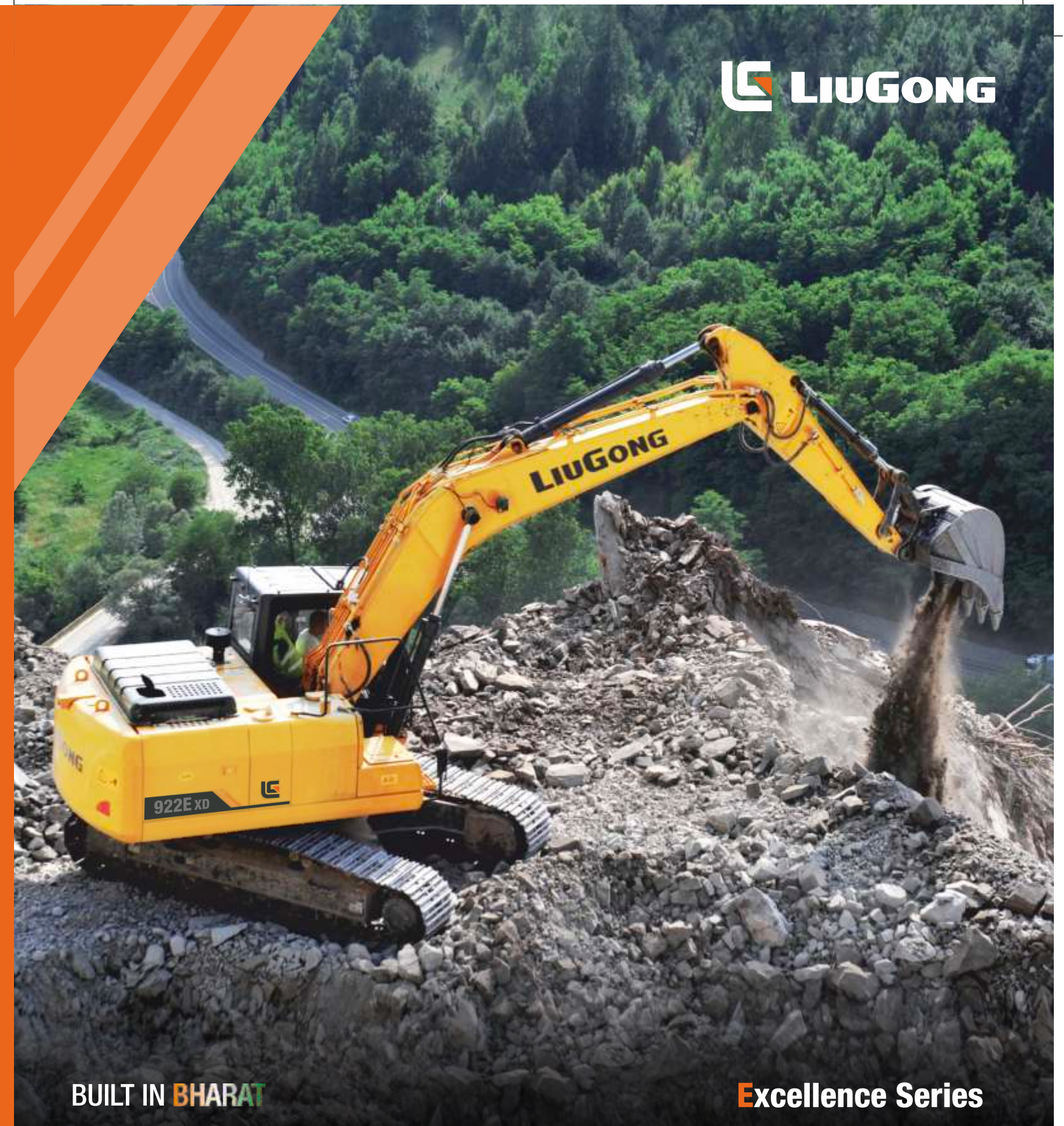


LIUGONG INDIA NETWORK



LIUGONG



BUILT IN BHARAT

Excellence Series

LIUGONG CARE
1800 1033 852

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LIUGONG

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Like and follow us:



11/2024 LIPL

Engine Power
Bucket Capacity
Digging Depth
Operating Weight
Cabin

Cummins 6BTAA5.9
148 hp @ 2,000 rpm
1.0 m³ HD/1.15 m³ GP
6,100 mm
22,000 kg
Air Conditioned

922E XD
EXCAVATOR

TOUGH WORLD. TOUGH EQUIPMENT.

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DESIGNED TO DELIVER HIGH EFFICIENCY, COMFORT AND PERFORMANCE

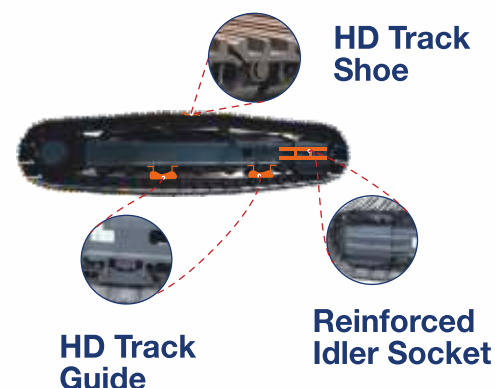
EXTRA REINFORCED STRUCTURES

Xtreme Duty Arm & Boom



Self Lubricating Bushes

Reinforced Undercarriage



HD Track Shoe

HD Track Guide

Reinforced Idler Socket

HD Bucket



Wing Shroud

EXCELLENT PERFORMANCE

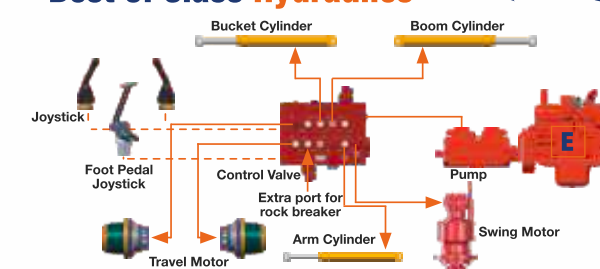


Powerful Engine
148hp
Auto Idle



4 Working Modes

Best of Class Hydraulics



Intelligent Power Control (IPC)

Boom Priority

Arm & Boom Regeneration



ERGONOMICALLY DESIGNED CABIN

Transparent top window

Smooth Lever

Bluetooth enabled music



9 Vents for cooling

EASY MAINTENANCE & SAFE OPERATIONS



Centralised Greasing



Wide Windows



AC Filter Fuse & Relayboard



Flange Connector

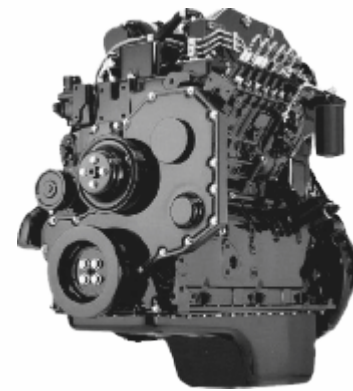


EXCELLENT PERFORMANCE

The Newly designed 922E excavators belong to LiuGong's Excellence series of excavators which ensure the delivery of Excellent performance in extreme duty applications and reduces fuel consumption by precisely matching power output to the actual work requirement.

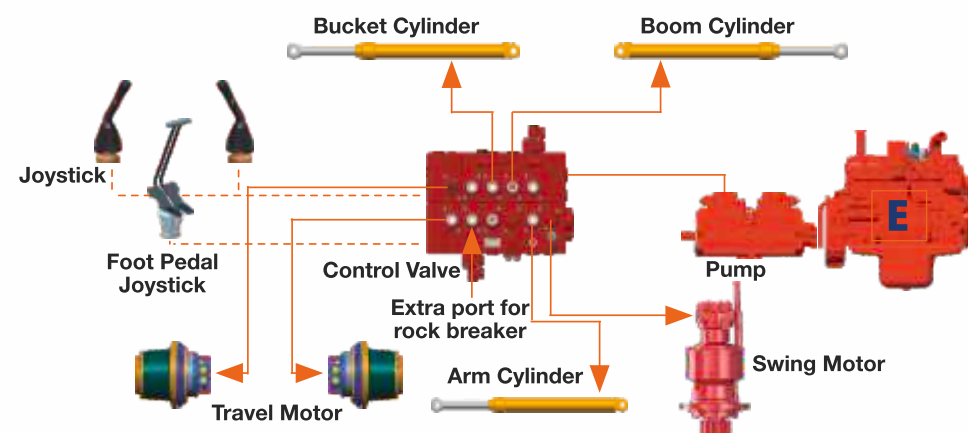
POWERFUL ENGINE

The new 6 cylinder cummins 6BTAA5.9 engine, delivers unmatched performance, maximizes torque output with more power and breakout force at lower engine speeds, giving it the power and pulling ability to handle even the most demanding tasks.



IPC (INTELLIGENT POWER CONTROL)

This new generation computer-aided IPC system allows the 922E's mechanical and hydraulic systems to work together in perfect synchronization. An improved pump system delivers optimum output under lower engine speeds, resulting in fuel efficiency and reduced noise levels.



SMART FUEL ECONOMY

The intelligent combination of powerful digging force, swing torque and lifting performance, Maximize the fuel economy by intelligently regulating its speed as per the actual work requirement.

- 1 Second :** If no hydraulic request signal detected from the joystick, the engine speed is automatically dropped by 100 RPM.
- 3 Second :** If no activity is detected over 3 seconds engine speed automatically goes down leads to high efficiency, fuel saving & better control ability.

MULTI STAGE FUEL FILTRATION

The Newly designed fuel lines for better efficiency is achieved with the fuel filtration done in multi stages before entering into engine which enhance the efficiency as well life span of engine and it's component through the operations



ENHANCED FLOW RATE

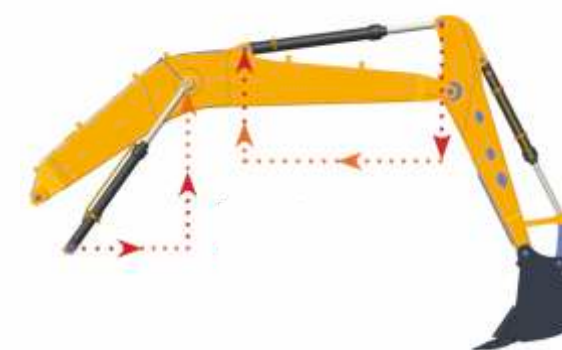
Newly upgraded series of hydraulic pump delivers high flow, improved cycle time and optimized power for excellent performance in extreme duty applications. Synchronization of advance hydraulic system provides best balance of performance demands and fuel economy during working.



The advanced hydraulic system, regenerates oil in the cylinders more efficiently reducing heat, which also contributes in increasing fuel efficiency improving cycle time. The optimum flexibility of high pressure quality hoses provides smooth flow internally to improve the hydraulic performance in work implementation system which impact the longer life.

Return oil filtration do very important job in maintaining contaminated free hydraulic oil while returning back to hydraulic tank which maintain the quality level of hydraulic oil and enhanced the efficiency as well as ensure the longer life of hydraulic components.

- **High swing torque-** improves the cycle time and reduces the fuel consumption.
- **High draw bar pull-** provides superb steering and slop climbing performance.
- **High arm crowd force –** provides the maximum penetration and contributes in increasing digging forces to maximizes the output and reduces the cycles.
- **High bucket breakout force -** provides the maximum penetration and contributes in increasing digging forces to maximizes the ouput and reduces the cycles.



BOOM AND ARM REGENERATION

This system optimizes hydraulic flow when boom or arm goes downward then downward force generated by their weight push the fluid in cylinders, minimizes the need of power from outside the system leading to excellent performance and efficient fuel consumption.

BOOM PRIORITY

Boom priority spool is auto piloted which boosts hydraulic energy, results in excellent performance during extreme duty applications.



SMART OPERATION

Multi-function large LCD monitor, enables safe, accurate and smooth work. Improved designed and screen visibility is enhanced which ensure that it can easily readable at various angles and lighting conditions. With quick access touch to 4 working modes, 12 speed settings is define the simple and easy way to operate multifunction operations.

4 Working Modes.

- P Power Mode**
Quickly finish the task with high efficiency
- E Economy Mode**
Lower efficiency, but it can save fuel
- B Breaker Mode**
Used in the breaking application
- L Lifting Mode**
Used in the lifting application



2 Operation Modes.

Leveling Operation
Used while doing leveling operation.



Digging Operation
Used while doing digging operation.



12 Speed Settings.

Speed	Work Nature	Throttle Knob
3-4	Light & Precise work	
5-6-7-8	Medium Work (Loading /Coil Excavation etc)	
9-10	Heavy Work (Quarry, Stone Digging)	
11-12	Extreme Work (Rock Bed Segregation, Handling Big Rocks)	
6 & 7	Best for Hammer (Rock Breaker)	



Cabin View



Cabin View



7" Colour LCD High Resolution Display



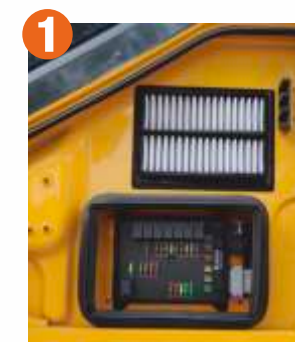
Various Indicators

Service Interval Indicator	
Battery Uncharged	
High Hydraulic Oil Temperature	
High Engine Temperature	
Low Engine Oil Level	
Low Coolant Level	
Low Engine Oil Pressures	
Air Filter Clog Indicator	
Water in Fuel Indicator	
Fuel Low Level Indicator	

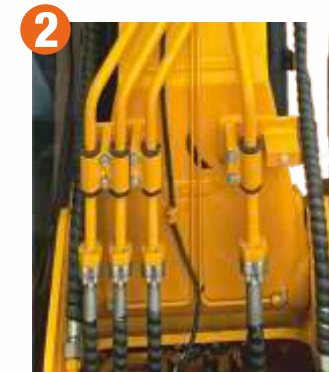
- 1. Work Mode
- 2. Speed Setting
- 3. Engine Auto Warming Up
- 4. Leveling
- 5. Digging
- 6. Power Boost
- 7. Auto Idling
- 8. Travel Mode
- 9. Preheating
- 10. HMR
- 11. Hydraulic Temperature Gauge
- 12. Engine Coolant Temperature
- 13. Fuel Level Gauge
- 14. Video Function, Mute Function
- 15. Function Keys
- 16. Selection Switches

EASY MAINTENANCE & SAFE OPERATIONS

In the newly designed E-series excavator, servicing becomes more easier with remote installation of replacement parts & easy accessibility to all the service touch points from the ground level.



External AC filter box



Flange type connectors



Air pre cleaner



Graphite bushes



Radial seal air filter



1. Easy accessibility to externally placed A/C filter next to the door makes filter replacement easier.
2. Flange type connectors used in hydraulic lines.
3. Effective pre cleaner enhances engine life.
4. Graphite infused bushes enhance the greasing intervals.
5. Easy access to various filters from ground level.

6. Standard cabin front guard.
7. Safety lever.
8. Well Placed anti skid and safety rails on the upper structure.

ERGONOMICALLY DESIGNED CABIN

The newly designed E-series excavators, are equipped with all the convenient and safety features to give you optimum comfort, peace of mind and help you focus on the job at hand. Premium quality of cab cushioning ensures the operator can work long hours in comfort and with less fatigue.



CLEAR VISIBILITY

The New E series excavators are ergonomically designed cabs which ensure no obstacles should disturb the operator's vision throughout the operation and enhances the operator confidence to do the job with more safety. This impacts in improved cycle times and maximizing the output.



Smooth travel pedal and optimal joystick provides excellent grips



Automatic climate control
9 air cooling vents



Large sun roof for better visibility



Music system with wireless blue tooth and windshield washer switch



Bottle holder



12V Power socket for charging
Easy remote monitoring of working parameters

COMFORTABLE AND SPACIOUS CABIN

The Newly - Designed cab is highly spacious with air condition cabin in order to create a safe and comfortable environment for operators at various working conditions. This reduces the operator fatigue and optimize the work efficiency of operator through out the operation. Wide spacious cab includes seat with reclining backrest, fully adjustable system in height and longitudinal inclination.



Soft cushioning with fully adjustable seat for optimum operating position.

ENHANCE VISIBILITY



922E^{XD} SPECIFICATIONS >>>



ENGINE	
Make	CUMMINS
Engine Model	6BTAA5.9
Power	148 hp @ 2,000 rpm
Peak Torque	626 N·m @ 1,300 rpm
Displacement	5.9 L
Aspiration	Turbocharged, CAC

HYDRAULIC SYSTEM	
Main Pump Flow	2 x 224 LPM
Pilot Pump Flow	19 LPM
Relief Valve Setting	
Implement Circuit	34.3/37.3 MPa
Travel Circuit	34.3 MPa
Swing Circuit	28.5 MPa
Pilot Circuit	3.9 MPa

SWING SYSTEM	
Swing Speed	12 rpm
Swing Torque	68591 N·m
Swing Motor	Axial Piston Motor
Swing Reduction	Planetary Gear
Swing Bearing	Lubrication Grease Bathed

DRIVE SYSTEM	
Gradeability	(35°) 70%
Max. Drawbar Pull	212 kN
Drive Motor	Axial Piston Motor
Drive Reduction	Planetary Gear

BUCKETS	
HD Bucket	1.0 m³
GP Bucket	1.15 m³
Light Duty Bucket	1.25 m³

UNDERCARRIAGE	
Track Shoe Each Side	46
Track Guard	2
Track Shoe Width (Triple Grouser)	600 mm
Bottom Rollers Each Side	7
Top Rollers Each Side	2

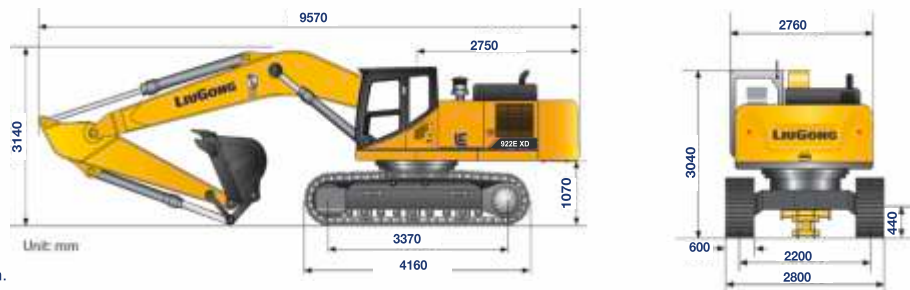
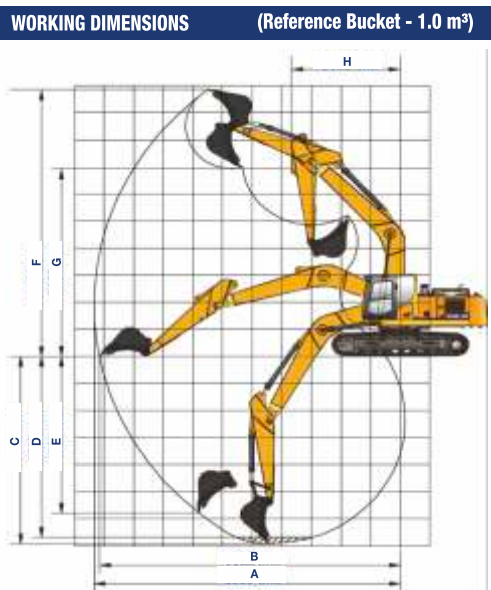
SERVICE CAPACITIES	
Fuel Tank	420 L
Engine Oil	20 L
Swing Drive	4.6 L
Hydraulic Tank	210 L
Travel Device	5 L x 2

ELECTRICAL SYSTEM	
Voltage	24 V
Working Lights	5

OPTIONAL	
Quick Coupler	
12 mm Track Shoe	
800 mm Track Shoe width	
2.9 m Arm	
Top Cabin Guard	
RB Pipeline	

OPERATING WEIGHT	
Operating Weight	22,000 kg
Shoe Ground Pressure	48.2 kPa

WORKING RANGE	
Boom Length	5,710 mm
Arm Length	2,400 mm
A Max. Digging Reach	9,328 mm
B Max. Digging Reach on Ground	9,136 mm
C Max. Digging Depth	6,100 mm
D Max. Digging Depth 2.44m (8')	5,820 mm
E Max. Vertical Wall Digging Depth	4,408 mm
F Max. Cutting Height	9,464 mm
G Max. Dumping Height	6,832 mm
H Min. Front Swing Radius	3,090 mm
Bucket Breakout Force (ISO)	158 kN
Arm Breakout Force (ISO)	125 kN



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 and 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 80% 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)	
922E XD with 600 mm shoes, 2,400 mm arm	Conditions
A: Load radius B: Load point height C: Lifting capacity Cf: Rating over front Cs: Rating over side	Boom length: 5,710 mm Arm length: 2,400 mm Bucket: iso 1.0 m³, Counter weight: 4,000 kg Shoes: 600 mm Unit:kg
	

Load Point Height B		Load Radius A												MAX REACH			
		2m		3m		4m		5m		6m		7m		CAPACITY		DISTANCE	
		Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	A(m)	
6 m	kg									*4810	*4810	*3240	*3240	*3240	*3240	7.00	
5 m	kg							*5470	*5470	*5160	4760	*5010	3670	*3310	3240	7.50	
4 m	kg			*10090	*10090	*7600	*7600	*6390	6130	*5710	4610	*5310	3590	*3710	2980	7.80	
3 m	kg			*10440	*10440	*9520	8090	*7470	5830	*6370	4440	*5710	3490	*3970	2790	8.00	
2 m	kg					*11260	7610	*8530	5550	*7040	4270	5620	3380	*4100	2680	8.10	
1 m	kg					*12410	7310	9270	5340	6980	4120	5520	3290	*4100	2630	8.10	
0 m	kg			*8540	*8540	*12950	7180	9120	5210	6870	4020	5440	3220	4540	2700	7.90	
-1	kg	*8320	*8320	*11660	11340	*13030	7140	9050	5150	6810	3970	5400	3190	4790	2840	7.60	
-2	kg	*11500	*11500	*15200	11440	*12730	7180	9050	5150	6800	3970	5420	3200	5310	3140	7.10	
-3	kg	*14800	*14800	*15510	11610	*12030	7270	9120	5210	6860	4020			6100	3600	6.50	
-4	kg	*13450	*13450	*13720	11860	*10760	74440	*8590	5340					*7440	4560	5.60	

Buckets	Bucket Capacity (Heaped m³)	Width (mm)	Weight (kg)	Material Density (kg/m³)					
				800	1000	1200	1400	1600	1800
Heavy Duty (HD)	1.0	1280	965						
General Purpose (GP)	1.15	1362	995						

*Available on special Demand

Notes	

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

All parameters within (+) 2.5% of the specified values. Specification are subject to change without notice
LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.
* Items shown as Optional. Availability on demand