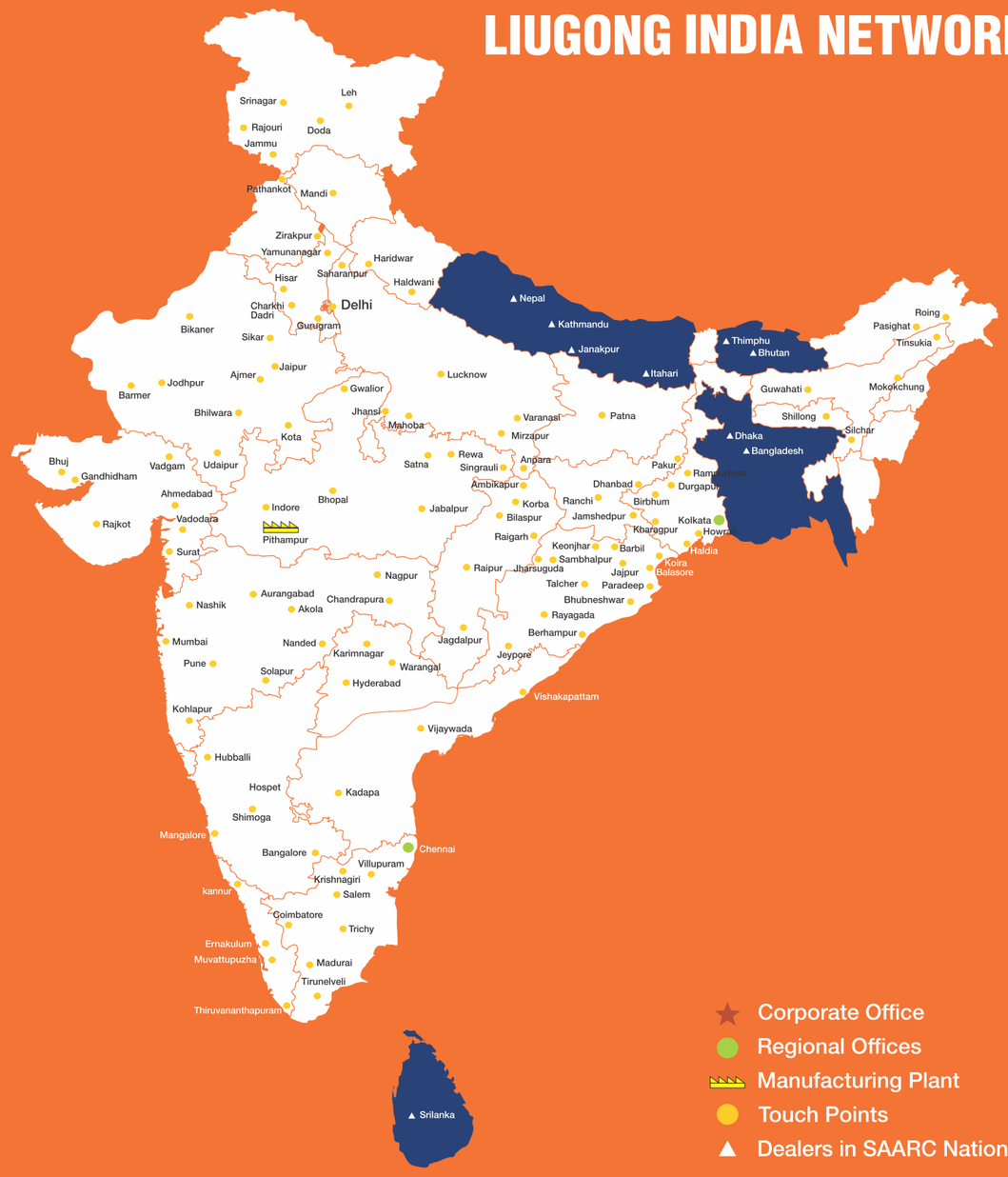
LIUGONG INDIA NETWORK



LIUGONG CARE

1800 1033 852

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LIUGONG

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11/2024 LIPL

LIUGONG

BUILT IN BHARAT

Excellence Series

Engine	Cummins 4BT3.9
Power	100 hp @ 2,200 rpm
Bucket Capacity	0.65 m^3 XD/0.73 m^3 GP
Digging Depth	5,068 mm
Operating Weight	13,800 Kg
Cabin	Air Conditioned

915E
EXCAVATOR

TOUGH WORLD. TOUGH EQUIPMENT.

EXTRA REINFORCED STRUCTURES

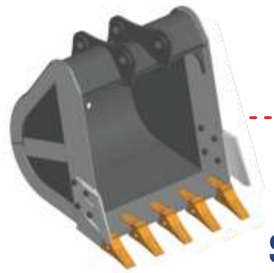
Achieve precise controlling of work, with extra reinforced structures, made in house with advanced robotic manufacturing, to take on the challenge of extreme duty applications.

0.65 m^3 HD BUCKET

- Hardox reinforced bucket
- Internal ribs: Protects wrapper plate

0.73 m^3 GP BUCKET

- Bucket with enhanced wear resistant plates
- Durability improved with bolted side cutters



STURDY X-FRAME

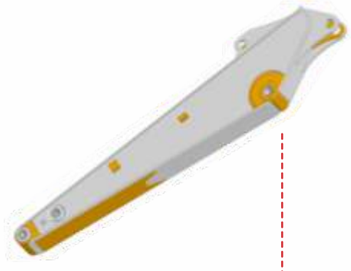
- Long run, single plate X frame
- Enhanced durability with box type structure
- Optimized protection on travel motor & idler

STRENGTHENED UNDERCARRIAGE

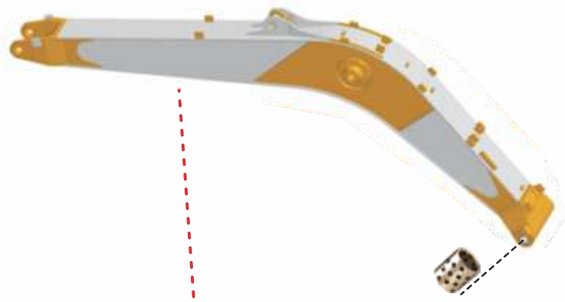
- Extra stability with 7 rollers
- 2 bottom track guards
- Thick track shoes
- Heavy duty rollers

XTREME DUTY(XD) ARM

- High tensile strengthened steel
- Wear resistant vertical bars

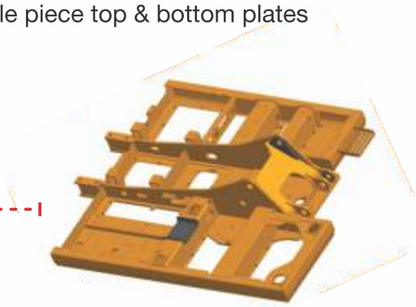


GRAPHITE IMPREGNATED BRONZE BUSHES



XTREME DUTY (XD) BOOM

- High tensile strengthened steel
- Single piece cast pivot ends
- Extra reinforced side plates
- Single piece top & bottom plates



HEAVY DUTY UPPER FRAME

- High optimized stability, center mounted boom
- Toughened to withstand extreme conditions
- Platform protector collision plates (optional)

EXCELLENT PERFORMANCE

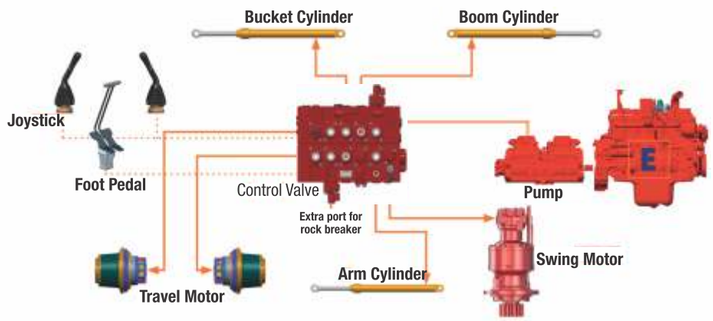
The Newly designed 915E excavators are belong to LiuGong's Excellence series of excavators which ensure the delivery of Excellent performance in extreme duty applications and reduces fuel consumption by precisely matching power output to the actual work requirement.

POWERFUL ENGINE

The new 4 cylinder cummins 4BT3.9 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 915E's mechanical and hydraulic systems to work together in perfect harmony. An improved pump system delivers efficient oil 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- improved 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 crowding 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.

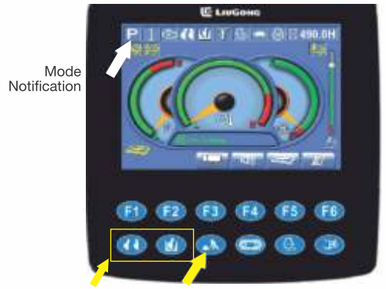
4 Working Modes.

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
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

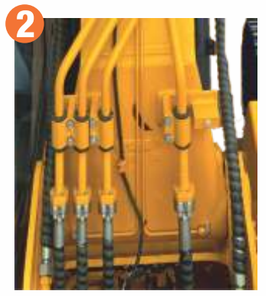
Service Interval Indicator	
Battery Uncharged	
High Hydraulic Oil Temperature	
High Engine Temperature	
Low Engine Oil Level	
Low Coolant Level	
Low Engine Oil Pressures	
Air Filter Clog Indicator	
Water in Fuel Indicator	
Fuel Low Level Indicator	

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 Maintenance and Menu Key
15. Function Keys
16. Selection Switches

EASY MAINTENANCE & SAFE OPERATIONS

The Newly designed E-series excavators, servicing become more easier with remote installation of replacement parts & easy accessibility to all the service touch points from ground level.

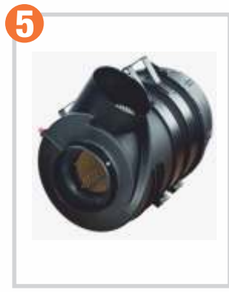
External AC filter box



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 through out the operation and enhance the operator confidence to do the job with more safety. Which impact in improved cycle times and maximizing the output.

Smooth travel pedal and thin joystick provide excellent grips

Automatic climate control
9 air cooling vents

Large sunroof better visibility

Music system with wireless bluetooth and windshield washer switch

Bottle holder and water chiller

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

915E SPECIFICATIONS >>>

ENGINE	
Make	CUMMINS
Model	4BT3.9
Power	100 hp @ 2,200 rpm
Peak Torque	385 N·m @ 1,300 rpm
Number of Cylinders	4
Displacement	3.9 L
Aspiration	Turbocharged

HYDRAULIC SYSTEM	
Main Pump Type	Two Variable Displacement Piston Pumps
Main Pump Flow	2 x 120 LPM
Pilot Pump Flow	20 LPM
Implementation System Pressure	34.3 MPa
Travel System Pressure	34.3 MPa
Swing System Pressure	25 MPa
Pilot System Pressure	3.9 MPa

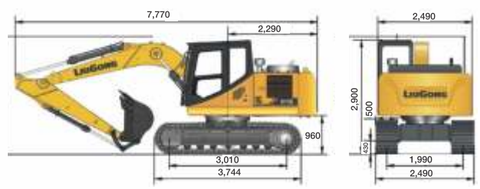
SWING SYSTEM	
Swing Speed	12.9 rpm
Swing Motor	Axial Piston Motor
Swing Reduction	Planetary Gear
Swing Bearing	Lubrication Grease Bathed

DRIVE SYSTEM	
Drive Type	Hydrostatic
Drive Motor	Axial Piston Motor
Drive Reduction	Planetary Gear
Max. Drawbar Pull	122 kN
Travel Speed (High/Low)	(5.4/3.2) Km/h
Gradeability	70% (35°)

BUCKETS	
XD Bucket	0.65 m³
GP Bucket	0.73 m³

UNDERCARRIAGE	
Track Shoe Width (Triple Grouser)	500 mm
No.of Track Shoes	45 Each Side
No.of Track Guard	2 Each Side
No.of Upper Rollers	1 Each Side
No.of Bottom Rollers	7 Each Side

STATIC DIMENSIONS

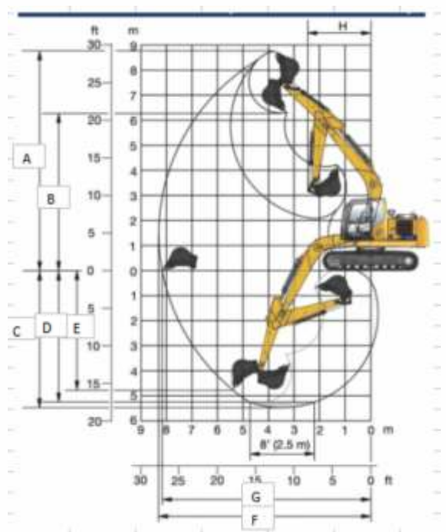


SERVICE CAPACITIES	
Fuel Tank	245 L
Engine Oil	9 L
Cooling System	21 L
Hydraulic Oil Tank	160 L
Swing Device	2.8 L
Travel Device	2.5 Lx2

ELECTRICAL SYSTEM	
Voltage	24 V
Working Lights	5

DIMENSIONS	
Boom Length	4,600 mm
Arm Length	2,100 mm
A Maximum Cutting Height	8,480 mm
B Maximum Dumping Height	6,024 mm
C Maximum Digging Depth	5,068 mm
D Depth of 8 Bottom	4,828 mm
E Maximum Vertical Digging Depth	4,428 mm
F Maximum Digging Radius	7,924 mm
G Maximum Ground Digging Radius	7,784 mm
H Min Swing Radius	2,400 mm
ISO Bucket Breakout Force (Boost)	89.8 (96.9) kN
ISO Arm Breakout Force (Boost)	73.5 (79.4) kN

WORKING DIMENSIONS (Reference Bucket - 0.73 m³)



All parameters within (±) 2.5% of the specified values. Specification are subject to change without notice
LiugGong 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. Avaiability on demand

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 (METRIC)

915E with 500 mm shoes, 2,100 mm arm (Standard)

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions
Boom length: 4,600 mm
Arm length: 2,100 mm
Bucket: 0.73 m³
Shoes: 500 mm triple grouser
Unit: kg

Load Point Height B		Load Radius A								MAX REACH		
		3m		4m		5m		6m		CAPACITY		DISTANCE
		Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf			A(m)
6 m	kg			*4080	*4080					*2670	*2670	4.9
5 m	kg			*4170	*4170	*4040	2970			*3030	2470	5.6
4 m	kg		*5390	*4640	4090	*4230	2920	3360	2210	*2430	2090	6.2
3 m	kg		6220	*5360	3900	4390	2830	3330	2170	*2650	1920	6.5
2 m	kg			6040	3700	4280	2720	3270	2120	2840	1850	6.6
1 m	kg			5850	3530	4170	2630	3210	2070	2810	1820	6.6
0 m	kg	*6830	5210	5740	3440	4100	2570	3180	2030	2850	1840	6.5
-1	kg	*8930	5220	5710	3410	4070	2540	3170	2030	3040	1950	6.2
-2	kg	*8160	5280	5730	3440	4090	2560			3430	2190	5.7
-3	kg	*6890	5390	*5430	3510					*4120	2710	4.9

Buckets	Bucket Capacity (Heaped m³)	Width(mm)	Weight(kg)	Material Density (kg/m³)					
				800	1000	1200	1400	1600	1800
Heavy Duty (HD)	0.65	1099	596						
General Purpose (GP)	0.73	1254	613						

*Available on special Demand

Notes