



Engine	Cummins 6BT5.9
Gross Power	140 hp @ 2,000 rpm
Bucket Capacity	0.95 m ³ HD/ 1.0 m ³ GP
Digging Depth	5,970 mm
Operating Weight	21,700 kg (Std.)
Cabin	Air Conditioned

922Eα EXCAVATOR

TOUGH WORLD. TOUGH EQUIPMENT.

922E α SPECIFICATIONS >>>

ENGINE

Make	CUMMINS
Engine Model	6BT5.9
Gross Power	140 hp @ 2,000 rpm
Peak Torque	571 N·m @ 1,300 rpm
Displacement	5.9 L
Aspiration	Turbocharged

HYDRAULIC SYSTEM

Main Pump Flow	2x224 LPM
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Pilot Pump Flow	19 LPM
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Relief Valve Setting

Implementation	34.3/37.3 MPa
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Travel Circuit	34.3 MPa
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Swing Circuit	28.5 MPa
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Pilot Circuit	3.9 MPa
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SWING SYSTEM

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

Gradeability	(35°) 70%
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Max. Drawbar Pull	189 kN
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Drive Motor	Axial Piston Motor
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Drive Reduction	Planetary Gear
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BUCKETS

HD Bucket	0.95 m ³
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GP Bucket	1.0 m ³
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UNDERCARRIAGE

Track Shoe Each Side	46
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Track Guard	1
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Track Shoe Width (Triple Grouser)	600 mm
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Bottom Rollers Each Side	7
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Top Rollers Each Side	2
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SERVICE CAPACITIES

Fuel Tank	420 L
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Engine Oil	20 L
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Swing Drive	4.6 L
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Hydraulic Tank	128 L
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Travel Device	5 Lx2
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ELECTRICAL SYSTEM

Voltage	24 V
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Working Lights	5
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OPTIONAL

LC Configuration

Operating Weight	22,000 kg
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Undercarriage Length	4250 mm
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Track Shoe Width (Triple Grouser)	600 mm
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Trackshoe (Each Side)	47
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Bottom Roller (Each Side)	8
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Top Cabin Guard	2
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RB Pipeline

I-Link (GPS)

OPERATING WEIGHT

Std. Operating Weight	21,700 kg
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Shoe Ground Pressure	48 kPa
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WORKING RANGE

Boom Length	5,710 mm
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Arm Length	2,200/2,400 mm
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A Max. Digging Reach	9,280/9,510 mm
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B Max. Digging Reach on Ground	9,090/9,320 mm
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C Max. Digging Depth	5,970/6,100 mm
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D Max. Digging Depth (2.44 m (8' level))	5,730/5,885 mm
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E Max. Vertical Wall Digging Depth	4,665/4,755 mm
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F Max. Cutting Height	9,645/9,940 mm
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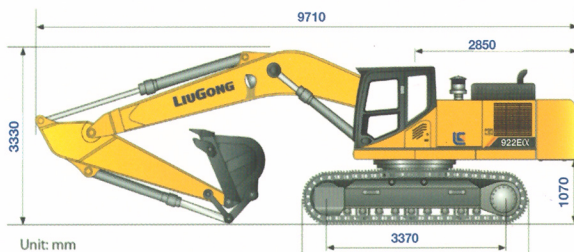
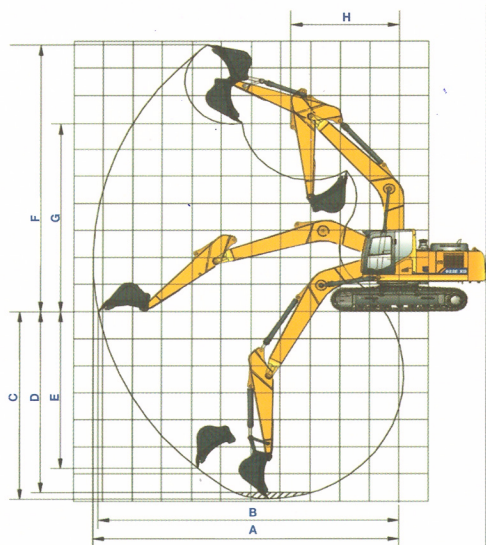
G Max. Dumping Height	6,945/7,160 mm
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H Min. Front Swing Radius	3,335/3,090 mm
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Bucket Breakout Force (ISO)	158 kN
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Arm Breakout Force (ISO)	134/125 kN
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WORKING DIMENSIONS (Reference Bucket - 0.95 m³)



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

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* Items shown as Optional. Availability 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 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.
2. 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.
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.

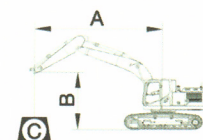
LIFTING CAPACITY (METRIC)

922E0 with 600 mm shoes, 2,200 mm arm

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

Conditions

Boom length: 5,710 mm
Arm length: 2,200 mm
Bucket: iso 0.95 m³,
Counter weight: 3,600 kg
Shoes: 600 mm
Unit:kg



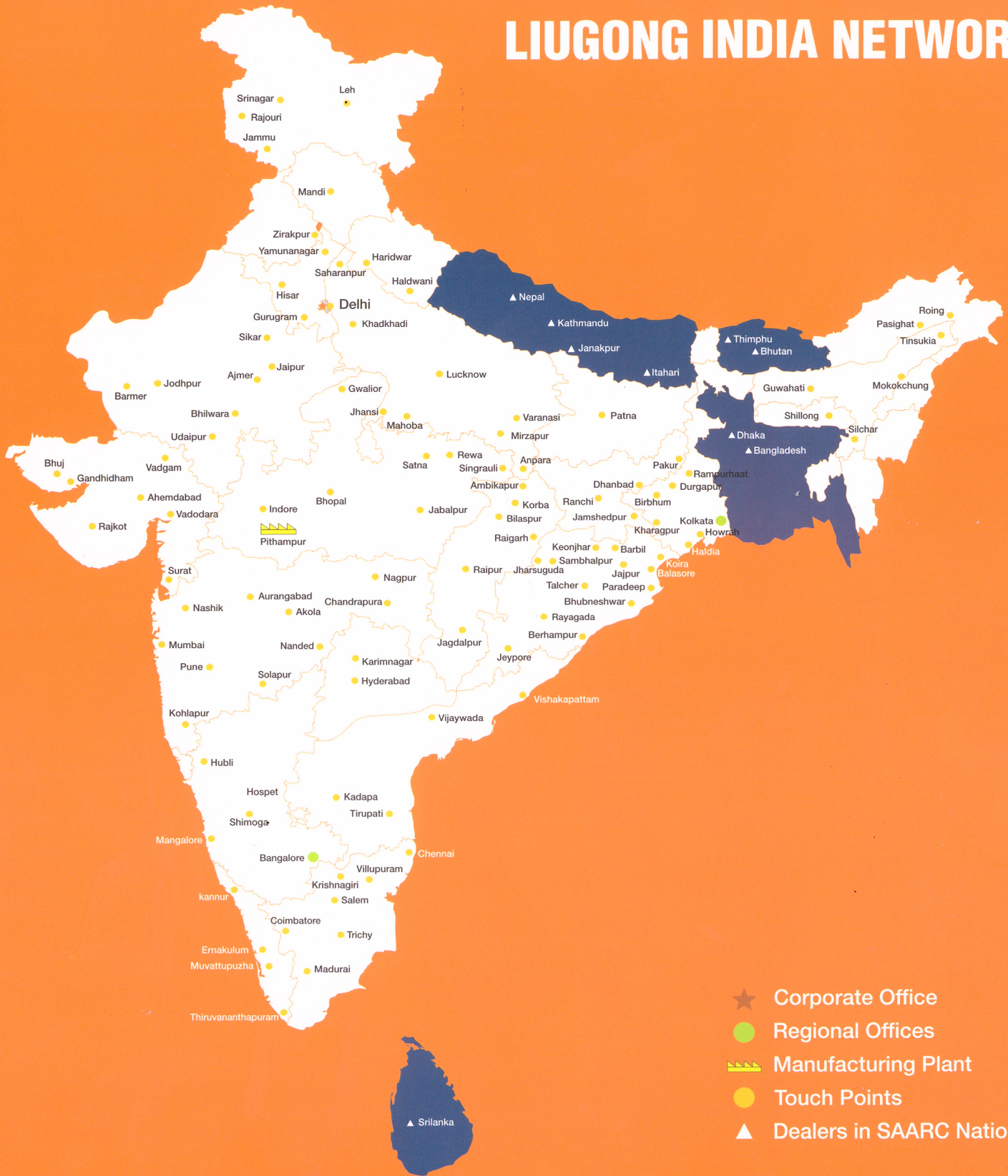
Load Point Height B		Load Radius A												MAX REACH		
		2m		3m		4m		5m		6m		7m		CAPACITY		DISTANCE
		Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	A(m)
6 m	kg							*5569	*5569	*5456	4911			*5527	*4226	6.60
5 m	kg					*6897	*6897	*6124	*6124	*5703	4839	*5552	3841	*5334	3670	7.20
4 m	kg					*8430	*8299	*6935	6080	*6108	4720	*5727	3792	5286	3419	7.50
3 m	kg							*7853	5837	*6684	4582	5793	3717	5035	3427	7.70
2 m	kg							*8686	5624	7108	4451	5707	3640	4894	3145	7.80
1 m	kg							9115	5476	6990	4348	5634	3574	4855	3109	7.80
0 m	kg					*10961	7269	9020	5396	6915	4281	5587	3532	5005	3192	7.60
-1	kg			*7540	*7540	*11928	7279	8991	5371	6885	4255	5576	3522	5281	3354	7.30
-2	kg	*9107	*9107	11433	*12941	*11421	7332	9018	5394	6904	4272			5835	3682	6.80
-3	kg			11574	*12941	*10525	7433	*8610	5469	6941	4355			*6752	4270	6.10
-4	kg			*11016	*11016	*8954	7609	*7045	5639					*6821	5504	5.10

Buckets	Bucket Capacity (Heaped m ³)	Width(mm)	Weight (kg)	Material Density (kg/m ³)					
				800	1000	1200	1400	1600	1800
Heavy Duty (HD)	0.95	1300	1020						
General Purpose (GP)	1.0	1060	939						
Coal Bucket	1.5	1875	673						

*Available on special Demand

Notes

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