

922E

EXCAVATOR

Engine

Cummins QSB6.7 Tier 4 Final

Gross Power

173 hp (129 kW)

Operating Weight

51,522 lb (23,370 kg)

Bucket Capacity

1.3 yd³ (1.0 m³)

Maximum Digging Depth

21 ft 6 in (6,562 mm)

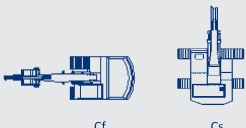
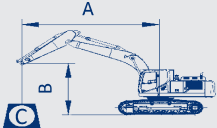


TOUGH WORLD. TOUGH EQUIPMENT.

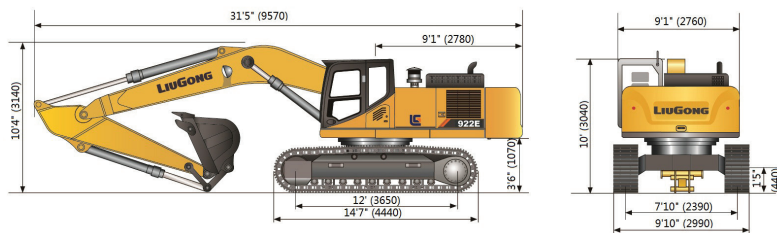
922E SPECIFICATIONS >>>

ENGINE	
Emissions rating	EPA Tier 4 Final / Stage IV
Make	Cummins
Model	QSB6.7
Gross power	173 hp (129 kW) @ 2,100 rpm
Net power	160 hp (119 kW) @ 2,100 rpm
Peak torque	597 lb-ft @ 1,500 rpm (809 N-m @ 1,500 rpm)
Number of cylinders	6
Displacement	409 in ³ (6.7 L)
DRIVE AND BRAKES	
Max. travel speed	High: 3.5 mph (5.6 km/h) Low: 2.0 mph (3.3 km/h)
Max. drawbar pull	49,458 lbf (220 kN)
UNDERCARRIAGE	
Shoe width, triple grouser	31.5 in (800 mm)
Track shoe each side	49
Bottom rollers each side	9
Top rollers each side	2
HYDRAULIC SYSTEM	
Main pumps total flow	2 x 59 gal/min (224 L/min)
Relief pressure, implement	4,975 psi (34.3 MPa)
Relief pressure, power boost	5,410 psi (37.3 MPa)

REFERENCE ARM	
Arm length	9 ft 6 in (2.9 m)
Arm digging force, ISO - Power boost	23,605 lbf (105 kN)
WORKING RANGES	
Max. digging depth	21 ft 6 in (6,562 mm)
Max. digging reach at ground level	31 ft 7 in (9,685 mm)
Max. digging depth 2.4 m (8 ft) level bottom	21 ft 0 in (6,390 mm)
Max. digging height	32 ft 8 in (9,945 mm)
Max. dumping height	23 ft 6 in (7,170 mm)
Max. vertical wall digging depth	16 ft 8 in (5,080 mm)
BUCKET PERFORMANCE	
Bucket capacity	1.3 yd ³ (1.0 m ³)
Bucket digging force, ISO - Power boost	34,171 lbf (152 kN)
SERVICE CAPACITIES	
Fuel tank	111 gal (420 L)
Engine oil	6.6 gal (25 L)
Final drive (each)	1.5 gal (5.5 L)
Swing drive	0.9 gal (3.4 L)
Cooling system	6.6 gal (25 L)
Hydraulic reservoir	55.5 gal (210 L)
DEF tank	9.2 gal (35 L)
SWING SYSTEM	
Swing speed	11.4 rpm
Swing torque	57,677 lb-ft (78,200 N-m)

922E WITH 800 MM (31.5 IN) SHOES, 2.9 M (9 FT 6 IN) ARM												
A: Reach from swing center B: Bucket hook height C: Lifting capacity Cf: Rating over front Cs: Rating over side						Conditions: Boom length: 18 ft 8 in (5.7 m) Arm length: 9 ft 6 in (2.9 m) Counterweight: 9,480 lb (4,300 kg) Shoes: 31.5 in (800 mm) triple grouser Bucket: SAE 1.3 yd³ (1.0 m³), 1,956 lb (887 kg)						
A Reach: m (ft)												
B: Height ft		3.0 m (10 ft)		4.6 m (15 ft)		6.1 m (20 ft)		7.6 m (25 ft)		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Front	Side	Distance
25 ft	lb					*8,113	*8,113			*6,570	*6,570	21 ft
20 ft	lb					*8,201	*8,201			*6,328	5,379	25 ft
15 ft	lb					*9,524	8,003	*9,149	5,137	*6,724	4,365	27 ft
10 ft	lb	*23,148	*23,148	*14,750	12,147	*11,640	7,430	9,215	4,872	*7,275	3,814	28 ft
5 ft	lb	*33,642	20,591	*19,270	10,891	13,029	6,856	8,907	4,586	7,121	3,549	28 ft
0 ft	lb	*37,104	19,599	20,480	10,119	12,522	6,393	8,642	4,343	7,253	3,594	27 ft
-5 ft	lb	*36,950	19,570	20,120	9,810	12,258	6,173	8,532	4,255	7,959	3,946	26 ft
-10 ft	lb	*34,590	19,952	20,210	9,899	12,280	6,195			9,634	4,850	23 ft
-15 ft	lb	*29,388	20,767	*19,930	10,317					14,154	7,253	19 ft

- * Indicates the load is limited by hydraulic capacity rather than the tipping capacity.
- The above loads are in compliance with the ISO 10567 hydraulic rating standard. They do not exceed 87% of the hydraulic lifting capacity of 75% tipping load.
- Rating at bucket lift hook.



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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