

SPECIFICATIONS

Operating weight	48,000 kg
Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg.	
Bucket capacity	2.2 - 3.2 m³

ENGINE	
Description	
Cummins EPA Tier 4 final / EU Stage IV, 6-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection. Air cleaner: Cummins direct flow air filter. Cooling system: Air-to-air intercooler.	

Emission rating	EPA Tier 4F / EU Stage IV
Engine manufacturer	Cummins
Engine model	QSG12
Aspiration	VGT
Charged air cooling	Aftercooler
Cooling fan drive	Hydraulic
Displacement	11.8 L
Rated speed	2,100 rpm
Engine output - net (SAE J1349 / ISO 9249)	282 kW
Engine output - gross (SAE J1995 / ISO 14396)	298 kW
Maximum torque	2,034 N·m @ 1,400 rpm
Bore × Stroke	132 × 144 mm

UNDERCARRIAGE	
Track shoe each side	51
Link pitch	216 mm
Shoe width, triple grouser	600/700/800/900 mm
Bottom rollers each side	9
Top rollers each side	2

SWING SYSTEM	
Description	
Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.	
Swing speed	8.5 rpm
Swing torque	165,300 N·m

HYDRAULIC SYSTEM	
Main pump	
Type	Two variable displacement piston pumps
Maximum flow	2 × 380 L/min
Pilot pump	
Type	Gear pump
Maximum flow	28.5 L/min

Relief valve setting	
Implement	32.3 / 35 MPa
Travel circuit	32.3 MPa
Slew circuit	28 MPa
Pilot circuit	3.9 MPa

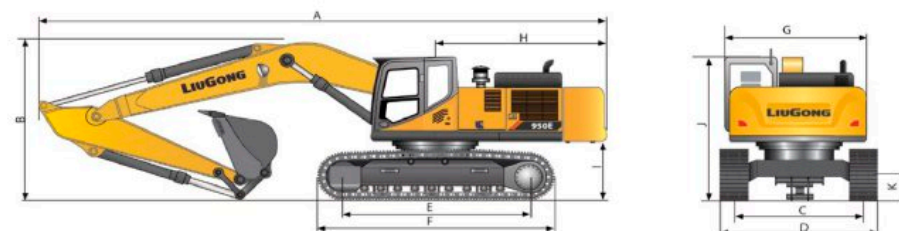
Hydraulic cylinders	
Boom Cylinder – Bore × Stroke	φ165 × 1,560 mm
Stick Cylinder – Bore × Stroke	φ190 × 1,980 mm
Bucket Cylinder – Bore × Stroke	φ170 × 1,260 mm

ELECTRIC SYSTEM	
System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.5 kW

SERVICE CAPACITIES	
Fuel tank	650 L
Engine oil	34 L
Final drive (each)	15 L
Swing drive	2 × 5.3 L
Cooling system	33 L
Hydraulic reservoir	290 L
Hydraulic system total	520 L
DEF tank	56.8 L (15 gal)

SOUND PERFORMANCE	
Interior Sound Power Level (ISO 6396)	72 dB(A)
Exterior Sound Power Level (ISO 6395)	106 dB(A)

DRIVE AND BRAKES	
Description	
2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.	
Max. travel speed	High: 5.5 km/h Low: 3.3 km/h
Gradeability	35°/70%
Max. drawbar pull	320 kN



DIMENSIONS			
Boom	6,500 mm	7,060 mm	
Arm Options	2,550 mm	2,900 mm	3,380 mm
A Shipping Length	11,515 mm	12,030 mm	12,062 mm
B Shipping Height – Top of Boom	3,810 mm	3,810 mm	3,690 mm
C Track Gauge	2,740 mm	2,740 mm	
D Undercarriage Width – 600 mm shoes	3,340 mm	3,340 mm	
700 mm shoes	3,440 mm	3,440 mm	
800 mm shoes	3,540 mm	3,540 mm	
900 mm shoes	3,640 mm	3,640 mm	
E Length to Center of Rollers	4,257 mm	4,257 mm	
F Track Length	5,256 mm	5,256 mm	
G Overall Width of Upper Structure	3,180 mm	3,180 mm	
	(including protective side beam)	(including protective side beam)	
H Tail Swing Radius	3,640 mm	3,640 mm	
I Counterweight Ground Clearance	1,324 mm	1,324 mm	
J Overall Height of Cab	3,550 mm	3,550 mm	
	(with protective equipment)	(with protective equipment)	
K Min. Ground Clearance	532 mm	532 mm	
L Track Shoe Width	600 mm	600 mm	

BOOM DIMENSIONS		
Description	Standard	Option
Boom	6,500 mm	7,060 mm
Length	6,800 mm	7,350 mm
Height	1,910 mm	1,850 mm
Width	1,057 mm	1,057 mm
Weight	4,150 kg	4,350 kg

Cylinder, piping and pin included. Boom cylinder pin excluded.

ARM DIMENSIONS			
Description	Standard	Options	
Arm	2,550 mm	2,900 mm	3,380 mm
Length	3,885 mm	4,245 mm	4,750 mm
Height	1,150 mm	1,150 mm	1,150 mm
Width	602 mm	602 mm	602 mm
	with hinge pin	with hinge pin	with hinge pin
Weight	2,390 kg	2,310 kg	2,500 kg

Cylinder, linkage and pin included.