Standard configuration
Cummins M15
7.25m boom & 2.8m arm
Full electric control hydraulic system
Hydraulic driven
Normal cab (with AC)
Bucket 6.2m³

Optional equipment
Bucket 6.0m³/6.5m³
Hammer pipeline
Oil-bath filter
Fuel Oil Supply Unit (Biodiesel water-oil separator)
Fuel pump (High-precision water-oil separator)
Light Duty Front Protective Net for CAB
Heavy Duty Front Protective Net for CAB
Heavy Duty Top Protective Net for CAB
GPS
Tbox
Indonesian GPS Certification Mark

SDLG machines are built to be like the people that own them: hardworking, genuine and reliable.Cost effective, robust machines with fuel efficient engines that are easy to operate and easy to maintain.And when you need parts or service, you can trustyour dealership to deliver on the SDLG promise:
Reliability in Action

EFQM

Congratulations to SDLG on winning
the EFQM Global Excellence Award
One of the world's top three quality awards

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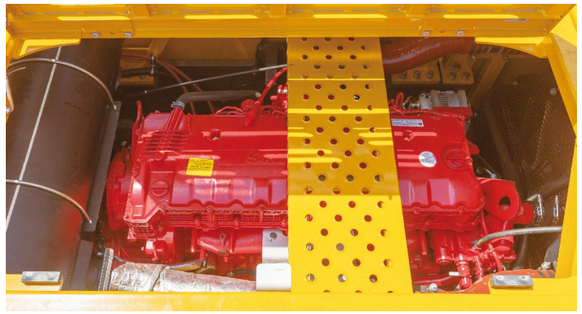
Reliability in Action

E6950H
Hydraulic Excavator



High power, energy saving and consumption reduction

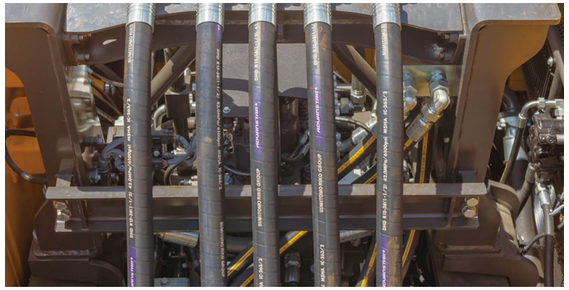
563kW engine with sufficient power reserve; transfer case, low speed, high torque, low fuel consumption and high efficiency. No aftertreatment system, no DEF required, reduced use costs.

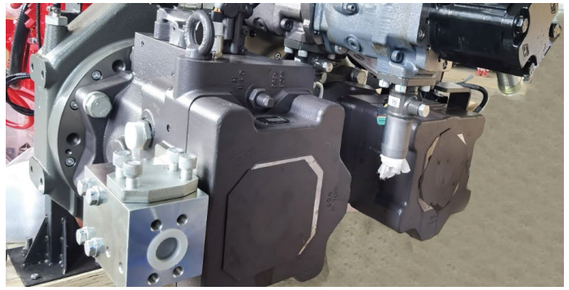
Fully electro-hydraulic system, high fuel efficiency

The main valve integrates the proportional solenoid valve to achieve fully electrical control. The wire harness connection replaces the pilot pipeline, making the fuel circuit simpler and reducing pressure loss.

Dual independent electronically-controlled main pumps and large-diameter main valves are used to achieve the best matching of power and hydraulic pressure, fully exert the performance of the machine, and improve operating efficiency.

Boom cylinder regeneration + arm cylinder large chamber oil inlet and return + bucket valve external confluence, etc. bring higher speed, smaller system pressure, and higher operating efficiency of working devices.



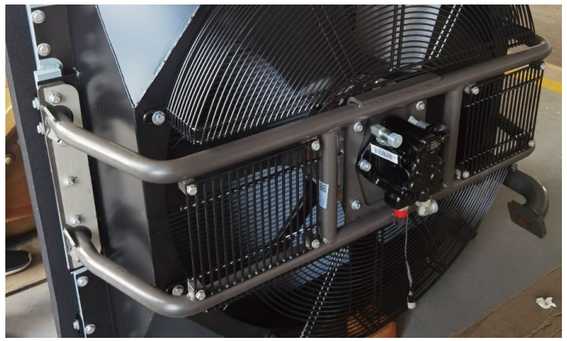


Intelligent temperature control, longer operating time

The extra large radiator and oil cooler are used to realize low power consumption and higher level of energy conservation, and maintain the best operating oil temperature.

The variable displacement piston cooling pump/cooling motor can adjust the oil output according to the oil temperature to achieve precise control, energy conservation and noise reduction.

The cooling fan can rotate forward and reverse for both heat dissipation and dust removal.



Heavy-duty structural parts for mines, solid and reliable

Super strong boom/arm for use in mines: The key stress-bearing parts are made using whole thick plates to deliver high load-bearing capacity and high reliability.

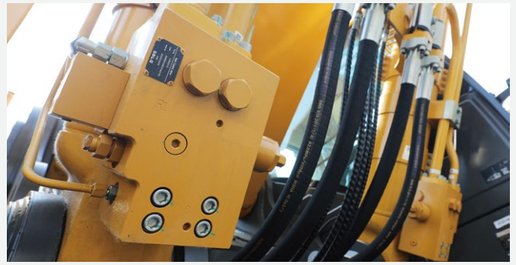
Wear-resistant rock bucket: Internal and external reinforced steel plates and tooth sleeve sharp bucket teeth are provided for low resistance to digging and loading and unloading of mineral materials and long service life.

Extra large chassis for use in mines: prefabricated lower frame, track gauge adjustable by 76 cm, high load-bearing capacity, stable heavy-load operation;

The 90-ton large-pitch track has a large ground contact area, is wear-resistant and non-deformable under heavy-load conditions, and is reliable and durable.

The backflushing prefilter and the enlarged primary air filter can effectively protect the engine. The prefilter is automatically cleaned when it stops to reduce manual operations such as frequent cleaning of the air filter.

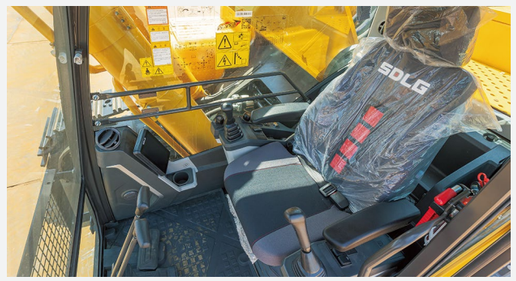
The boom cylinder is equipped with an explosion-proof valve as standard, which effectively reduces the risk caused by pipe burst accidents, and thus allows for safe and reliable operation of the entire machine.



Intelligent control, high-end, comfortable

This machine is equipped with high-end suspension seats that feature multi-angle adjustment and have heating function to get through the winter, and are very user-friendly.

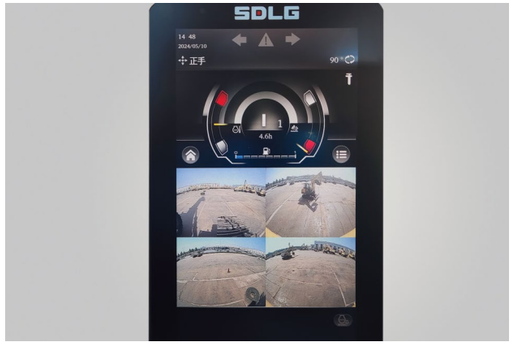
Heating and cooling storage box: It has built-in A/C outlets, and can store cold drinks to relieve the heat in summer, and also heat food and drinking water in winter.



This machine is equipped with an 8-inch LCD color touch screen as standard, which can be operated by using buttons and touch screen to give you more choices; it is equipped with panoramic cameras.

Through the display screen, intelligent operations such as forward and reverse rotation of the variable speed cooling fan and one-button switching between forehand and backhand can be performed.

The pilot console on the right integrates switches for paging, throttle adjustment, travel speed adjustment, and high power mode, which are within easy reach and easy to operate.



Reasonable layout, easy maintenance

The oil filter, air filter, and central control box are centrally arranged. The fuses and relays of the entire machine are centrally arranged in the control box. The layout diagram is printed on the back of the hood for easy maintenance.

The oil filter, main pump pressure measuring port, and refueling pump are centrally arranged in the same hood, making maintenance, testing, and refueling convenient.

The automatic centralized lubrication system provided as standard features easy maintenance with less time and effort.

The machine is equipped with widened traveling passages on both sides for easy maintenance.

E6950H

Main Parameter

ENGINE

	Unit	E6950H
Model	-	QSM15 77C
Type	-	Four-stroke, supercharged, inter-cooled
Rated power	kW@rpm	563
Max. torque	Nm@rpm	3000/1400
Displacement	ml	14500
No. of cyliners	-	6
Cylinder bore x stroke	Φ×mm	135×169
Emission	-	GB 20891-2014(China III)

HYDRAULIC SYSTEM

	Unit	E6950H
Hydraulic system type	-	Full electronic positive flow control
Main pumps	-	2 axial piston pump
Max flow rate	L/min	2×565
Relief valve setting		
Implement circuit	bar	370
Travel circuit	bar	343
Swing circuit	bar	300
Pilot circuit	bar	40

ELECTRICAL SYSTEM

	Unit	E6950H
System voltage	V	24
Battery voltage	V	24
Battery capacity	Ah	225
Alternator voltege	V	28
Starter voltage	V	24

DRIVE AND BRAKES

	Unit	E6950H
Drive motors	-	2 axial piston motors
Max drawbar pull	kN	645
Max travel speed (low/high)	km/h	2.9/4.3
Service/ parking brakes	-	Wet and disc type
Gradeability	°	35

SWING SYSTEM

	Unit	E6950H
Swing motor	-	Axial piston motor
Swing brake	-	Wet and disc type
Swing speed	r/min	6.6

UNDERCARRIAGE

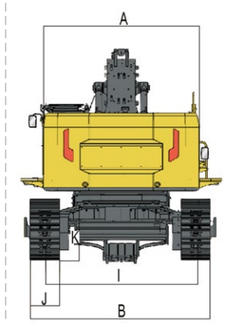
	Unit	E6950H
No. of track shoes	-	2×51
No. of top rollers	-	2×3
No. of bottom rollers	-	2×9
No. of track guards	-	2×2

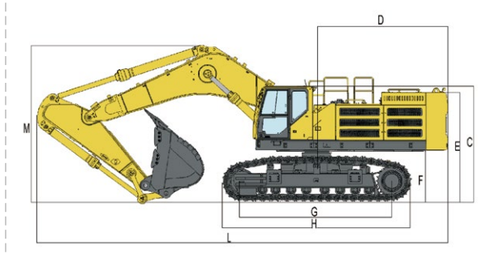
SERVICE REFILL CAPACITY

	Unit	E6950H
Fuel tank	L	1180
Engine coolant	L	80
Engine oil	L	52
Swing drive	L	2×14
Travel drive	L	2×20
Hydraulic tank	L	505
Hydraulic system	L	1050

DIMENSIONS

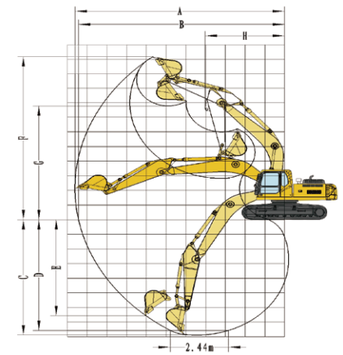
	Unit	E6950H
Boom length	mm	7250
Arm length	mm	2800
A Overall width of upper assembly	mm	3470
B Overall width	mm	4490
C Overall height	mm	5260
D Tail swing radius	mm	4585
E Overall height of engine hood	mm	3495
F Counterweight clearance	mm	1600
G Wheel base	mm	5120
H Track length	mm	6350
I Track gauge	mm	2750/3510
J Shoe width	mm	650
K Min. ground clearance	mm	910
L Overall length	mm	13770
M Overall height of boom	mm	5260
Bucket capacity	m³	6.2
Operating weight	kg	91000





EXCAVATING RANGE

	Unit	E6950H
A Max. digging reach	mm	12400
B Max. digging reach on ground	mm	12090
C Max. digging depth	mm	7050
D Max. digging depth (horizontal 2.5 m)	mm	6900
E Max. vertical wall digging depth	mm	6100
F Max. cutting height	mm	12080
G Max. dumping height	mm	7720
H Min. front swing radius	mm	5175
Max. excavating force of bucket (ISO)	kN	472
Max. excavating force of arm (ISO)	kN	397



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