



Reliability in Action



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 trust your dealership to deliver on the SDLG promise: **Reliability in Action.**



Congratulations SDLG for winning
EFQM Global Excellence Award
One of the top three quality awards in the world

Member of the VOLVO Group Since 2007

SDLG is member of the Volvo Group and one of the largest manufacturers of construction machinery in China, with a wide network of dealerships and service workshops throughout the world.

SINO MINING HEAVY INDUSTRIES PTE. LTD.

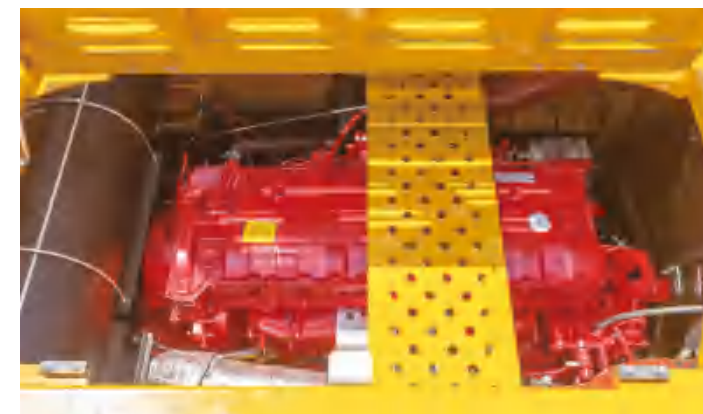
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E6730H

Hydraulic Excavator





Super power, energy-saving and consumption-reducing

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

Full electro-hydraulic system for fuel saving and high efficiency

The main valve integrates a proportional solenoid valve to achieve full electrical control. The wire harness connection replaces the pilot line for simpler oil line and reduced pressure loss.

Dual independent electronically-controlled main pumps and large-diameter main valves are used to achieve the best matching of power and hydraulic systems, fully exert the performance, and improve operating efficiency. The large torque slewing motor has smooth rotation.



Intelligent temperature control, longer operation time

Extra large radiator and oil cooler - dual independent temperature controls are provided for low power consumption, higher energy efficiency, and best working oil temperature. The enlarged fan features low speed, low noise, high efficiency, and is thus suitable for high-load mining operations.

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



Heavy-duty structural parts for mines, solid and reliable

Heavy-duty strengthened working devices, forgings for key parts, advanced welding technology, annealing treatment, and reliable structure.

The bucket blade is made of high-strength wear-resistant steel plate, and thus can adapt to the harsh working conditions of the mine. Optional heavy rock buckets and light soil buckets are available to adapt to different working conditions.

The chassis is designed with a 90-ton four-wheel and one-belt structure, which is reliable and durable; the track width is adjustable to meet transportation and working needs; the standard full-protection track link guard plate can effectively protect the chassis and prolong its service life.

The backflushing primary filter and the enlarged main air filter have a filtration efficiency of 99.9%, which can effectively protect the engine. The primary filter is automatically cleaned when it stops, and can also be cleaned manually, to reduce manual operations such as frequent cleaning and air filtering.

Extra large fuel tank is provided to realize longer battery life.



Intelligent control, high-end and comfortable

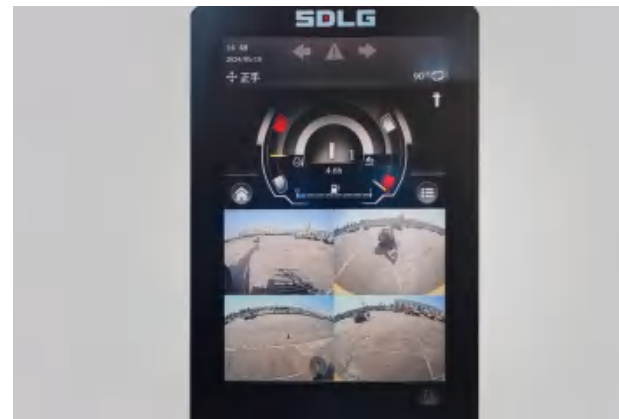
This machine is equipped with high-end suspension seats, which are multi-angle adjustable and have heating function to withstand severe cold in winter, and thus are very user-friendly. Heating and cooling storage box: Built-in air conditioner outlets are available for storage of cold drinks to relieve heat in summer and for heating food and drinking water in winter.



This machine comes standard with an 8-inch LCD color touch display, which features two-way operation via buttons and touch screen, and good selectivity; it is equipped with panoramic cameras.

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

The right pilot console integrates multi-level switches such as page turning switch, throttle switch, high/ low speed switch, and maximum power switch, which are within easy reach and easy to control.



Reasonable layout and easy maintenance

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

The oil filter, main pump pressure measuring port, and fuel pump are centrally arranged in the same hood for convenient maintenance, testing, and refueling. The standard automatic centralized lubrication system makes maintenance easy and saves time and effort.

The widened traveling passages are provided on both sides for easy maintenance.



E6730H

Main Parameter

ENGINE

	Unit	E6730H
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/T20891-2014(China Phase III)

DRIVE AND BRAKES

	Unit	E6730H
Drive motors	-	2 axial piston motors
Max drawbar pull	kN	525
Max travel speed (low/high)	km/h	3.8/4.3
Service/parking brakes	-	Wet and disc type
Gradeability	°	35

HYDRAULIC SYSTEM

	Unit	E6730H
Hydraulic system type	-	all-electric positive flow hydraulic control
Main pumps	-	2 axial piston pump
Max flow rate	L/min	2×568
Relief valve setting		
Implement circuit	bar	370
Travel circuit	bar	343
Swing circuit	bar	280
Pilot circuit	bar	40

SWING SYSTEM

	Unit	E6730H
Swing motor	-	Axial piston motor
Swing brake	-	Wet and disc type
Swing speed	r/min	7.4

UNDERCARRIAGE

	Unit	E6730H
No. of track shoes	-	2×47
No. of top rollers	-	3×2
No. of bottom rollers	-	8×2
No. of track guards	-	2×2 (全长)

ELECTRICAL SYSTEM

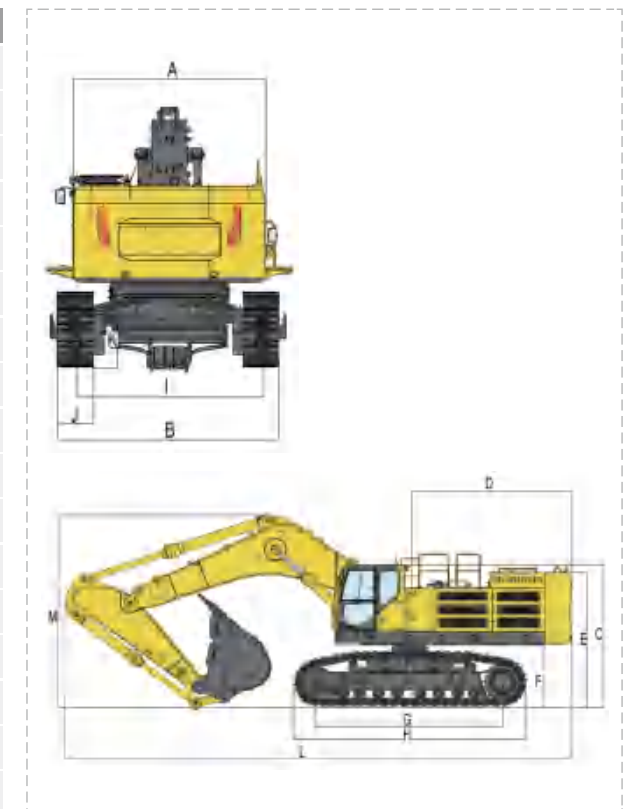
	Unit	E6730H
System voltage	V	24
Battery voltage	V	24
Battery capacity	Ah	225
Alternator voltege	V	28
Starter voltage	V	24

SERVICE REFILL CAPACITY

	Unit	E6730H
Fuel tank	L	1100
Engine coolant	L	75
Engine oil	L	52
Swing drive	L	2×10.5 (gear oil) +2×4 (grease)
Travel drive	L	2×15
Hydraulic tank	L	505
Hydraulic system	L	900

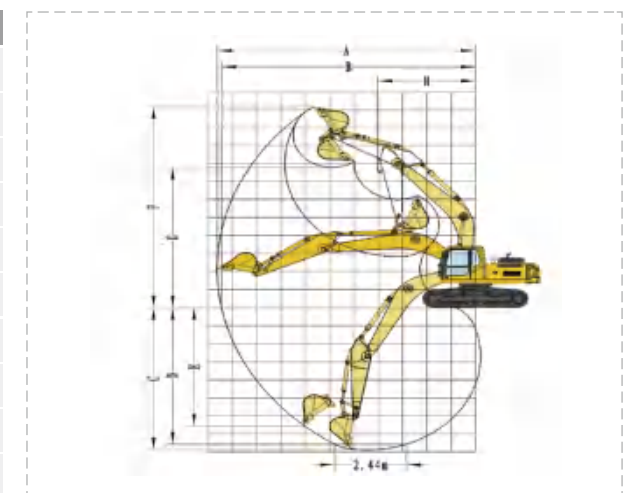
DIMENSIONS

	Unit	E6730H
Boom length	mm	7000
Arm length	mm	2800
A Overall width of upper assembly	mm	3470
B Overall width	mm	4490
C Overall height	mm	4685
D Tail swing radius	mm	4200
E Overall height of engine hood	mm	3300
F Counterweight clearance	mm	1460
G Wheel base	mm	4685
H Track length	mm	5850
I Track gauge	mm	2810/3350
J Shoe width	mm	650
K Min. ground clearance	mm	880
L Overall length	mm	12830
M Overall height of boom	mm	4685
Bucket capacity	m³	4.8
Operating weight	kg	73000



EXCAVATING RANGE

	Unit	E6730H
A Max. digging reach	mm	12000
B Max. digging reach on ground	mm	11720
C Max. digging depth	mm	7390
D Max. digging depth (horizontal 2.5 m)	mm	7235
E Max. vertical wall digging depth	mm	4420
F Max. cutting height	mm	11000
G Max. dumping height	mm	6985
H Min. front swing radius	mm	5280
Max. excavating force of bucket (ISO)	kN	376
Max. excavating force of arm (ISO)	kN	335



* The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change, illustrations in the text may not always be the standard illustrations for this model.