

XE150D

Hydraulic Excavator



Advanced Configuration

Ecological and economical

- ▶ Customized XCMG exclusive engine can meet Euro stage IV Emission Standard
- ▶ Well-known hydraulic components, higher efficiency
- ▶ Minicomputer control technology makes operation more economical

Multiple applications

- ▶ Different boom, arm and bucket combinations can provide excellent all-around versatility
- ▶ Multi-functional work tool system can meet various operational requirements including digging, breaking and so on.

Comfortable operating experience

- ▶ Air conditioner and heater ensure the appropriate temperature
- ▶ Air-suspension seat equipped with electric heating function
- ▶ Integrated control panel and large display screen provide multiple information



Excellent after-sales service

- ▶ Global after-sales service system and quick response mechanism
- ▶ Real-time technical consultation and maintenance

Convenient maintenance

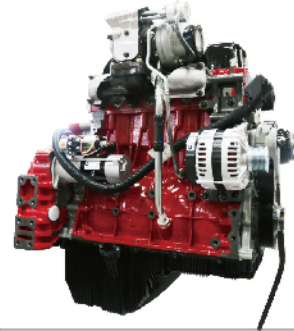
- ▶ Easy maintenance design, open the engine hood for no dead angle maintenance.
- ▶ Various system placement positions, easy maintenance

Safe and durable

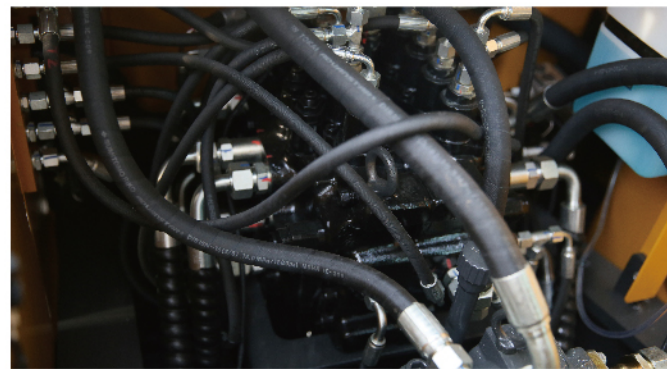
- ▶ Upgrade undercarriage to improve load bearing performance
- ▶ Strengthened key stress-bearing parts of chain links
- ▶ ROPS certified cab for added safety

Ecological And Economical

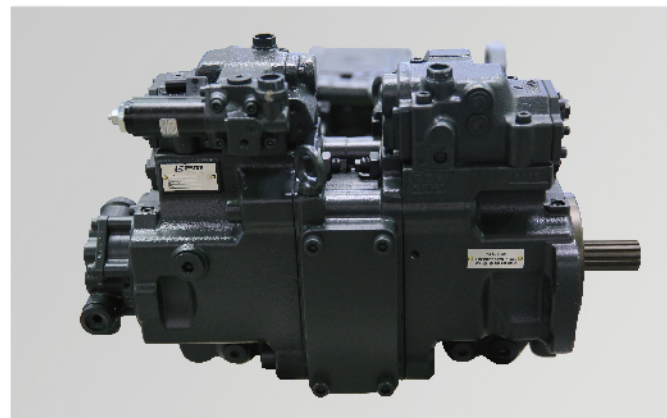
- ▶ Adopting a new generation of Cummins high-pressure common-rail EFI engine, tailored according to the excavator working conditions, features low speed, high torque, strong power, large power reserve, low fuel consumption and low noise



- ▶ A new generation of internationally renowned key hydraulic components, combined with the latest technologies, features high efficiency, accurate control and high reliability, which can ensure powerful digging force and excellent working efficiency.



- ▶ Adopt a new generation of minicomputer control technology to accurately control the fuel injection time and volume, so that the engine always runs in the optimal fuel consumption level, and maintain the best efficiency and economy.
- ▶ Industry's first large-displacement high-efficiency pump, comprehensive technology upgrade, work efficiency increased by 10%.



- ▶ New generation of main valve features compact layout, reduced impact, higher efficiency, better movement coordination, higher transmission efficiency, and the rated working pressure can be improved by 10% so as to provide more powerful digging force.
- ▶ After the upgraded slewing mechanism, the slewing torque is increased by 10%, the slewing start speed is faster, and the braking performance and handling of the whole machine are greatly improved.



Smart Control

- ▶ Adopting XEICS new control system, which is an exclusive and proprietary intelligent control system specially designed for XCMG D series product, including main control, monitoring, remote control and expert diagnosis functions, providing faster and more complete data management.

Comfortable And Reliable

Comfortable

- ▶ Brand-new Air conditioner and heater: Indoor and outdoor ambient temperature can be perceived through sensors and automatically adjusted to comfortable temperature. A good comfortable environment for operators can be provided with the cooperation of a multi-position adjustable air outlet.-temperature. A good comfortable environment for operators can be provided with the cooperation of a multi-position adjustable air outlet.
- ▶ With new seat adjustment mode, the new air suspension seat based on ergonomics, can realize 7 kinds of postures including front and rear adjustments, high and low adjustments, backrest, headrest and hand-rails, it can also adjust the seat height automatically according to the operator's weight, which will greatly improve the comfort.



- ▶ The newly designed cab has a wide view, lower noise, and more user-friendly operation buttons to provide a more comfortable working environment.



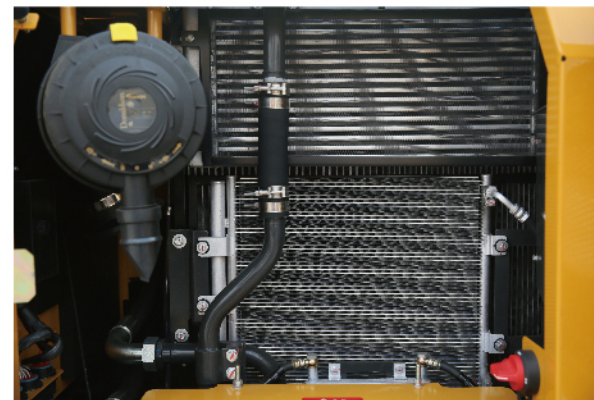
Reliable

- ▶ The front side glass adopts double-layer laminated tempered glass, which can significantly reduce the noise in the cab and improve the operation safety.
- ▶ When an emergency occurs, the engine emergency stop control switch can be used to quickly shut down the engine to minimize danger and loss.



- ▶ The working equipment adopts the casting type single connecting rod to fully optimize the stress distribution, which greatly improves the reliability. The boom arm shaft seat adopts the forging-type shaft seat, and higher wear resistance can be achieved through the quenching and tempering treatment.
- ▶ The extended chassis makes the stability and lifting ability optimal. The X frame, slewing bearing race, carrier roller support and guide seat have excellent resistance to twisting and high strength, which can adapt to more severe working conditions, and prolong service life. Strengthened undercarriage parts has higher strength, longer service life and low operational cost.

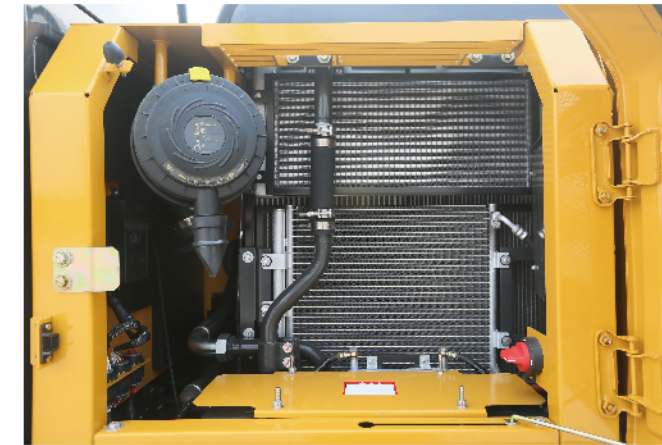
- ▶ A new generation of radiators, with new efficient aluminum fins and enlarged ventilation hole area, have better cooling effects and can meet the requirements of working under 50°C, using a positive pressure degassing expansion water tank to improve the life of the pump, which can quickly remove gases from engines and waterways to reduce rust.



- ▶ World-class electrical plug components have IP56 waterproof level and are more reliable.

Maintenance And Service

- ▶ Daily maintenance points such as fuel pre-filter, fuel filter, oil filter, pilot filter, air filter and electrical box are accessible on the ground level, saving time and effort, and safer.
- ▶ The inverted visual fuel pre-filter can keep track of the filter element status, and can also discharge the gas in the pipeline to reduce the damage to the high-pressure fuel pump. The large-displacement manual pump is easier to operate and pump the oil much faster.
- ▶ The air conditioning system drying bottle is integrated on the condenser to reduce the leakage points of the refrigerant, and the disassembly is convenient and easy to replace.



- ▶ Fuel breather valve is standard equipped to keep the tank pressure stable, effectively filter dust, and ensure the oil quality. A wide range of after-sales service system and quick-response rescue mechanism can ensure that you use machine at ease.



Multiple Applications Conditions

The independently developed multi-functional intelligent work tool control system can realize crushing, shearing, lifting, and other operations, and can truly integrate multiple operations into one machine.

With first-rate digging force, the machine can be fully competent under complicated working conditions.



Standard Equipment

	Name of equipment	XE150D
Engine	Engine model	QSF3.8
	Emission level	Euro III and National III
	Automatic preheating	
	Oil-water separator with water level indication sensor	
	Radial seal air cleaner	
	50°C high temperature ambient cooling assembly	
	Radiator dust screen	
	Fuel marker	
	Fuel breather valve	
	Automatic idle speed	
Hydraulic system	Boom/arm flow regeneration	
	Auxiliary hydraulic valve	
	Reverse rotation damping valve	
	Automatic rotation parking brake	
	Hydraulic buffer valve	
	Straight hydraulic circuit	
	Boom priority valve	
	Rotary logic valve	
	Hydraulic oil ISO VG 46	
	Rotary anti-sway valve	
Cab and interior trim	Spare valve plate	
	Gauge pressure monitoring	
	Pressurized cab	
	Fully adjustable mechanical suspension seat	
	Adjustable seat armrest	
	Seat belt (51 mm [2 "] wide)	

	Openable windscreen with auxiliary device
	Front windshield divided by 70/30 ratio
	Double laminated windshield and other toughened windows
	Sliding door upper window
	Bi-directional air outlet air conditioner with defroster (automatic type) (pressurization function)
	Color liquid crystal display capable of displaying warning information, filter / liquid replacement information and working hours
	Control handle
	Travel control pedal with detachable manual control lever
Cab and interior trim	Two stereo speakers
	Beverage cup holder
	Coat and hat hook
	Cleanable floor mat
	Air conditioning system
	High and low gears shift
	One-key boost mode
	Reserve switch for working aids
	Top sunroof
	Intermittent multi-gear wiper
	Cup holder/envelope
	Cold and warm storage box
	Radio receiver
	Driving door locks and cabin locks
	Alarm horn
Safety and security configuration	Isolation plate between engine and oil pump chamber
	Engine Emergency Stop Switch
	Rear window emergency exit
	Battery circuit breaker
	Boom and arm retaining valve

	Explosion-proof valve for boom pipeline
Safety and security configuration	Overheat alarm
	Safety handrails and pedals
	Anti-skid plate/anti-skid paste
	Hydraulic safety locking lever
	Emergency escape hammer
	Left and right rearview mirrors
	Counterweight rearview mirror
Chassis system and shield	Bottom frame traction ring
	600 mm (24 ") three-rib track shoe
	Guide wheel and middle track single track protector
	Protective device kit: chassis bottom sealing plate, walking motor sealing plate
	Grease lubricated track
Working device	Boom 4.6m
	Arm 2.52 m
	Bucket 0.61M ³ Strengthened Bucket
Electrical system	Battery (2× 750CCA)
	70A alternator
	4.8 kW starter motor
	24V cigarette lighter
	5V USB interface
Lighting lamp	Right and left boom work lights
	Right working light installed on storage box
Counterweight	Cab interior lighting
	3.95t counterweight
Technology	XEICS intelligent control system
	Data link socket

Optional Equipment

	Name of equipment	XE150D
Engine	Oil-water separator with heater (24V)	
	Coolant heater (fuel type)	
	Oil and water quick discharge device	
	50L/min fuel refueling pump	
	Rapid fuel filling system	
Hydraulic system	Hydraulic pipeline: quartering hammer and thumb pliers	
	Additional return oil filtration and pressure stabilizing device	
	Operating modes switch	
Cab and interior trim	Hydraulic oil ISO VG 32, 68	
	Retractable seat belt (51 mm [2 "] wide)	
	Vehicle mounted oxygen supply device	
	Air suspension seat with cushion heating	
	Fire extinguisher	
Chassis system and shield	Explosion-proof valve for arm pipeline	
	Roll over protective structure (ROPS)	
	Falling object protective structure (FOPS)	
	Explosion-proof valve for boom pipeline	
	500 mm (20 ") three-rib track shoe	
	600 mm (24 ") three-rib track shoe	
	800 mm (31 ") three-rib track shoe	
	Track rubber block	
	Bulldozer	
	Extended chassis	
Working device	0.52m ³ Rock bucket	
	0.52 m ³ Strengthened bucket	
	0.32-0.61m ³ Earthwork bucket	

Working device	Rotor warning light installed in the cab
	Travel alarm
	Quick coupler
	Hydraulic breaker
	Camera
Lighting lamp	12V power interface
	Front working light installed on cab top
	Rear working light installed on cab top

MAIN SPECIFICATIONS

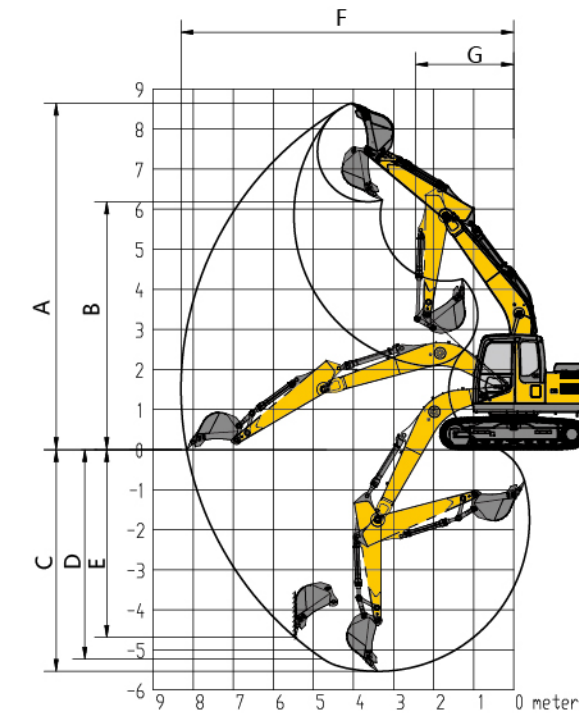
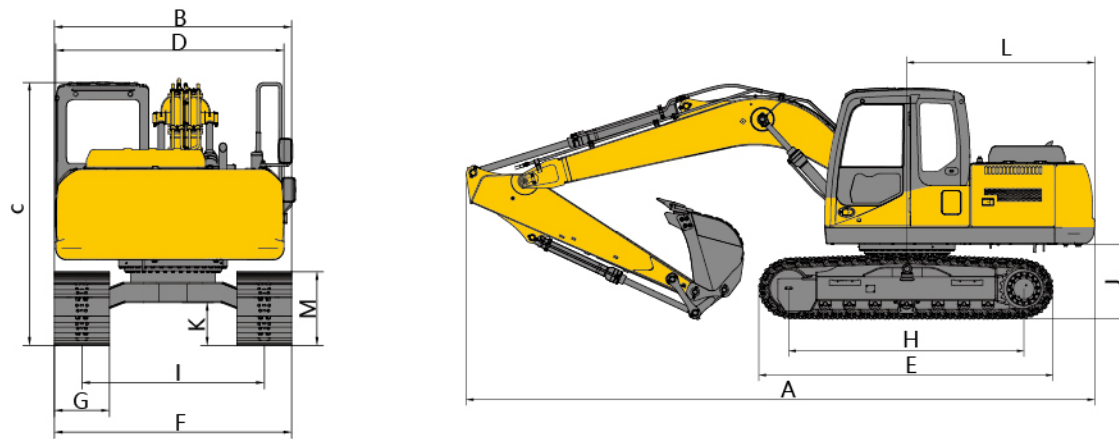
Item	unit	Main specifications	
Model	/	XE150D	
Operation weight	Kg	14600	
Bucket capacity	m ³	0.32-0.71	
Engine	Model	QSF3.8	
	Direct injection	√	
	Four strokes	√	
	Water cooling	√	
	Turbo-charging	√	
	Air-to-air intercooler	√	
	No.of cylinders	4	
	Rated power	kw/rpm	93/2200
	Maximum torque/speed	N.m/rpm	500/1300
	Displacement	L	3.8
Main performance	Travel speed (H/L)	km/h	5.3/3.2
	Swing speed	r/min	11.7
	Gradeability	°	≤35
	Ground pressure	kPa	37

Item	unit	Main specifications	
Main performance	Bucket digging force	kN	106.9
	Arm digging force	kN	73.4
	Maximum tractive force	kN	134
Hydraulic system	Main pump	/	/
	Rated flow of main pump	L/min	2×123.5
	Main safety valve pressure	MPa	34.3
	Travel system pressure	MPa	34.4
	Swing system pressure	MPa	25
	Pilot system pressure	MPa	3.9
Oil Capacity	Fuel tank	L	260
	Hydraulic tank capacity	L	105
Standard	Engine oil capacity	L	11
	Length of boom	mm	4600
	Length of arm	mm	2520
Standard	Bucket capacity	m ³	0.61
	Length of boom	mm	2100/2310/3010
	Length of arm	mm	-
	Bucket capacity	m ³	0.32/0.4/0.52/0.7

Dimension

Item	Unit	Parameters
A Overall length	mm	7795
B Overall width	mm	2590
C Overall height	mm	2900
D Width of platform	mm	2490
E Track length	mm	3658
F Overall width of chassis	mm	2590
G Track shoe width	mm	600
H Wheel base of crawler	mm	2910
I Track gauge	mm	1990
J Counterweight clearance	mm	948
K Min. ground clearance	mm	477
L Min. tail swing radius	mm	2325
M Track height	mm	836

Apperance size



working Range

Item	Unit	Parameters
A Max. digging height	mm	8641
B Max. dumping height	mm	6181
C Max. digging depth	mm	5538
D Maximum depth cut for 2240mm(8 ft) level bottom	mm	5287
E vertical wall digging depth	mm	4727
F Max. digging radius	mm	8296
G Min. swing radius	mm	2335

Working scope

Lifting Capacity

Lifting point height (m)	Rated lift capacity – Straight ahead (back) (kg)					Rated lift capacity – over-side (kg)				
	Lifting point radius (m)				Lifting capacity at maximum radius	Lifting point radius (m)				Lifting capacity at maximum radius
	1.5	3	4.5	6		1.5	3	4.5	6	
6			*3242		*2593			*3242		*2593
4.5			*3248	*3371	*2404			*3438	2593	2357
3		*5662	*4186	*3592	*2398		*5662	3869	2523	2040
1.5		*8177	*5097	3738	*2531		6427	3623	2421	1925
Ground		*7128	5569	3647	*2832		6123	3448	2338	1948
-1.5	*4953	*8647	5496	3618	*3353	*4953	6092	3384	2312	2155
-3	*9054	*7392	*5015		*3886	*9054	6195	3429		2734

Capacities marked with an asterisk(*) are limited by hydraulic capacities.



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