



Advanced Configuration

Ecological and economical

- ▶ Professional customized engine greatly improves fuel economy
- ▶ Hydraulic oil flow regeneration system ensures optimum machine performance
- ▶ Independent cooling system automatically adjusts fan speed

Multiple applications

- ▶ Different boom, arm and bucket combinations can adapt to as many working conditions as possible
- ▶ Multi-functional intelligent work tool control system can meet different operating requirements such as digging, breaking and dismantling
- ▶ Instantaneous pressurization function copes with complex working conditions.

Comfortable operational experience

- ▶ Air Conditioner and Heater ensure the appropriate temperature
- ▶ Silicone rubber shock absorber is adopted in the cab
- ▶ Air-suspending seat equipped with electric heating function
- ▶ Integrated control panel and large display screen provide multiple information
- ▶ ROPS and FOPS Cab can improve cab safety



Excellent after-sales service

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

Convenient maintenance

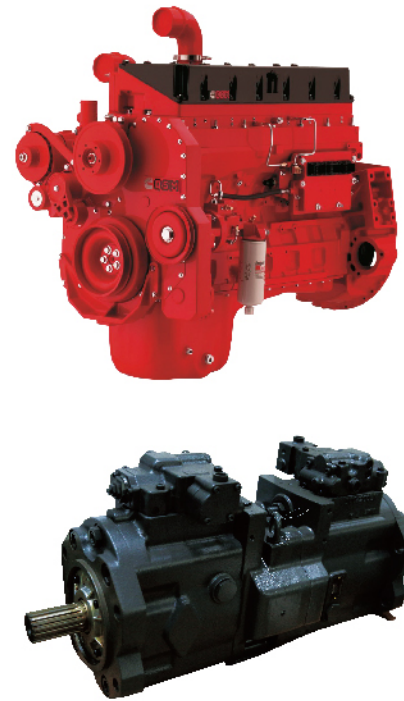
- ▶ Easy maintenance design concept makes your maintenance done without dead angle
- ▶ Maintenance-free air prefilter,

Safe and durable

- ▶ Reinforced structural parts improves lifespan
- ▶ Upgrade undercarriage structure to improve load bearing performance
- ▶ Highly reliable with the industry's most advanced variable displacement piston pump

Ecological And Economical

- ▶ Power system refers to Cummins engine (Cummins QSM11) with original packaging imported from the USA, which features electric injection, 4 stroke, water cooling, turbocharge, air-air intercool, V cylinder. The engine adopts efficient HPI fuel injection technology realizing respective cylinder and full electronic control, sharply improving fuel economy, elaborately designed and manufactured especially for construction machinery working conditions. Custom torque curve, low speed and high torque, constant power curve, good fuel economy. It can be equipped with a dust-proof starter motor, which has strong adaptability and high reliability.
- ▶ The hydraulic system uses boom priority, arm priority, swing priority and arm hydraulic oil flow regeneration system to ensure the best working performance of the machine. At the same time, it optimizes the design of hydraulic lines to improve return pressure loss and system back pressure. Reduced energy loss. The use of new technologies such as flow regeneration energy-saving technology, bucket convergence and pressure reduction technology and valve core opening adaptive technology further reduce oil back pressure, improve digging force and improve heavy-duty operation efficiency.
- ▶ The product is equipped with a completely independent cooling system, which can automatically adjust the fan speed according to the water temperature, intake air temperature and hydraulic oil temperature, and reduce the energy consumption of the fan as much as possible under the condition of meeting the heat dissipation requirements.
- ▶ Autonomous control technology: dedicated electronic monitor and controller for independent intellectual property rights, self-programming controller program to finely match engine working speed and pump power, make full use of engine power, improve work efficiency and effectively reduce fuel consumption.

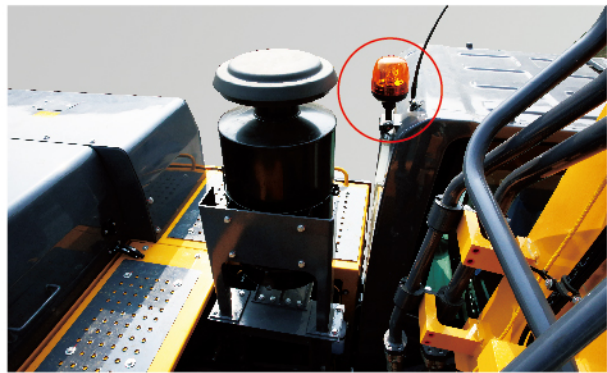


Comfortable And Safe

- ▶ The cab with supercharged function can effectively prevent dust from entering the operation room, providing a clean working environment for the driver; the frame inside the cab is strengthened, the overall structural strength is increased, the pin holes are increased before and after, and the safety performance is improved; the cab is equipped with double-layer clamps. Glue glass, which effectively filters UV rays and has a high degree of protection.
- ▶ The imported silicone oil seals the shock absorber, improves the rigidity of the cab floor, reduces the amount of cab shaking, and reduces the operator's operational fatigue.



- ▶ **Warning function:** The rotating warning light on the top of the cab can visually remind nearby people, and the high-volume buzzer can provide an audible reminder to nearby people.
- ▶ **Wide field of vision:** The whole vehicle is equipped with 4 convex rearview mirrors to realize 360° visualization; the night work light adopts high brightness, low energy consumption and can work for 20000h LED lights.
- ▶ **The multi-function color liquid crystal display** provides operators with comprehensive and easy-to-read machine information, comprehensively monitors the working status of the engine and hydraulic system, and can query various operation and fault diagnosis information of the machine.
- ▶ **Air conditioner and heater with double-stage air filtration:** the ambient temperature inside and outside can be detected by the sensor and it can be automatically adjusted to a comfortable one. With the adjustable air vents at different positions, it can provide a comfortable environment for the operators.



Reliable And Durable

- ▶ The sturdy lower travel body can meet the needs of heavy-duty operation, and its durability, reliability and maneuverability are higher. The enhanced four-wheel belt is equipped with excellent performance and more reliable quality. It strengthens the walking frame and X-beam structure and improves the horizontal. The strength of the section, the stress of the dispersion body, can be used for harder work.
 - ▶ The H-shaped boom and the arm are all integrated with a cast structure, which has uniform force and long service life. The contact surface is made of high-hardness T-sleeve, which greatly reduces surface wear and prolongs the use time. Large-capacity rock bucket The double arc design structure reduces the resistance during excavation, makes it easier to load and unload materials, and adopts the Ultralok series of teeth produced by the famous American company Esko. It has stronger penetrating power, better wear resistance and improved service life. More than doubled.
 - ▶ The hydraulic system adopts the most advanced variable displacement piston pump in the industry, which has the characteristics of superior performance and long-lasting output. The high-pressure main oil circuit and the return oil pipeline are all made of steel pipe and buckled hose structure, which is resistant to impact and high reliability; the cylinder is enhanced. Support ring structure, the life is greatly improved, effectively avoiding oil leakage, pulling cylinder and other faults.
- The electrical components adopt aeronautical connectors, which have good conductivity, high protection level and high reliability.



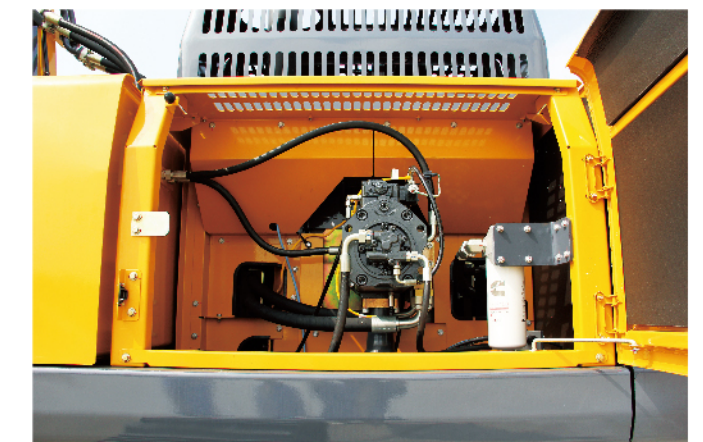
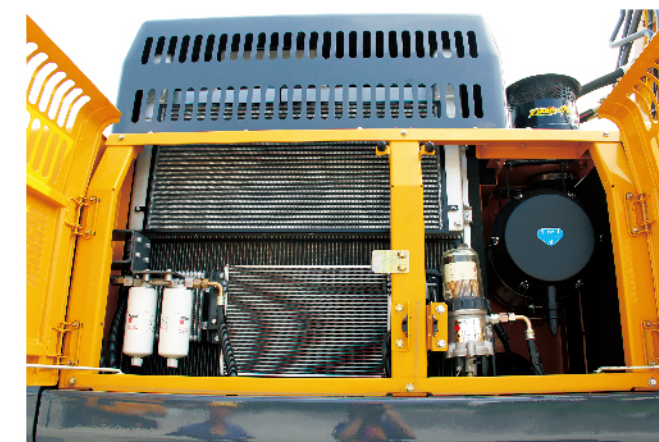
Intelligent Control

- ▶ The XEICS system with independent intellectual property rights uses CAN bus communication to realize the corresponding control functions, which can effectively adapt to the working environment, working conditions and workload, so that it will recognize, think, judge, decide, and execute.
- ▶ GPS intelligent cloud control system, linked with the company's CRM, 400, DMS system, integrates GPS positioning function, remote management and remote diagnosis functions, not only can carry the excavator geographical location information, excavator field working parameters and alarm information data upload, It also enables vehicle access management, remote management, remote diagnosis, and remote control.
- ▶ Standard plateau mode function, using GPS positioning technology, can adjust the main pump power according to altitude, prevent engine overload, and achieve electronic energy-saving control.



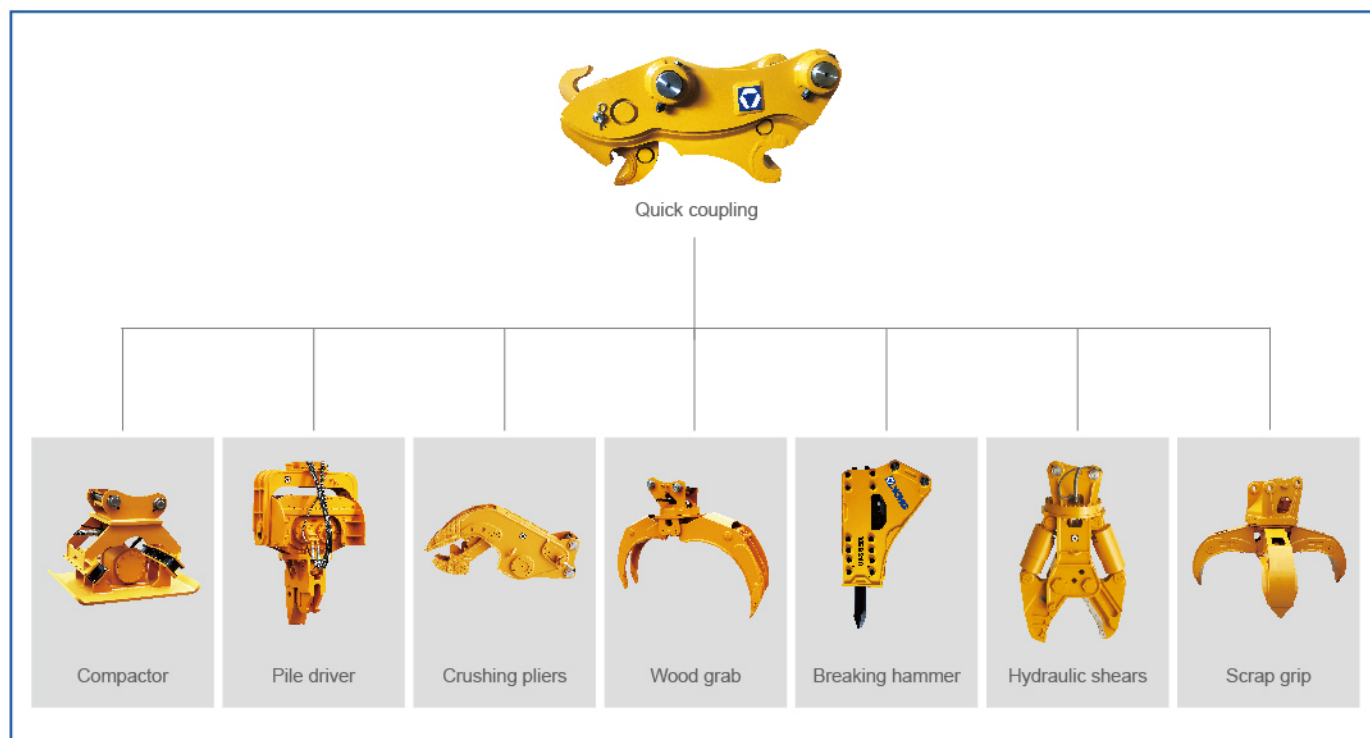
Maintenance And Service

- ▶ Accessible maintenance design reduces maintenance time by 10%. Integrate electrical box, air filter, diesel filter, oil filter and pilot filter to make maintenance and replacement convenient.
- The hood is designed with a gas spring-assisted side-up structure and a large opening angle for easy access to the engine and radiator.
- ▶ A protective net is arranged on the outside of the radiator to effectively prevent the inhalation of flying debris and the like, and the disassembly is convenient and the cleaning is easier.
 - ▶ A wide range of after-sales service system and quick-response rescue mechanism can ensure that you use machine at ease.



Multiple Application Conditions

- ▶ The independently developed multi-functional intelligent work tool control system can meet different operating requirements such as digging, breaking and dismantling, and its working condition adaptability is further strengthened.
- ▶ It is designed with instantaneous boost function, and you can immediately raise the boom speed or the travel traction by pressing this button.



Working Configuration Table

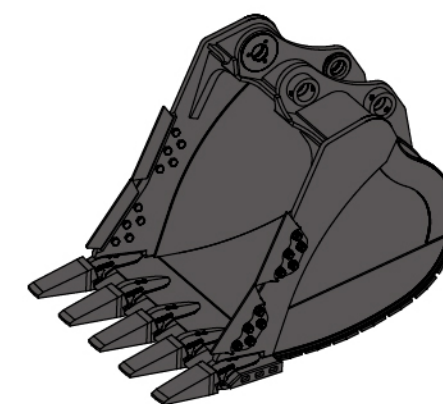
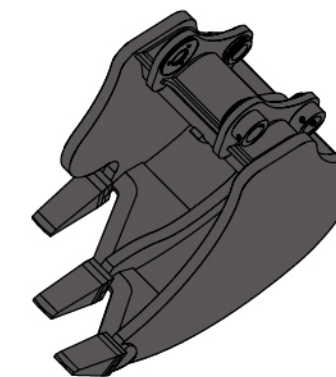
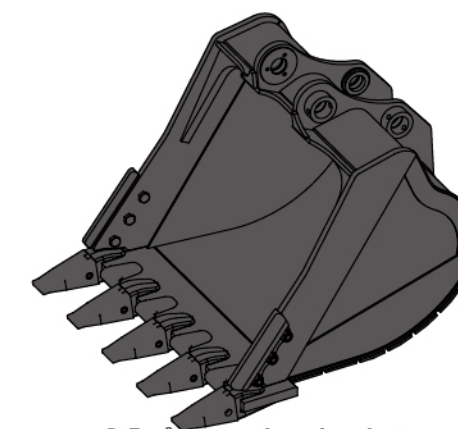
XE470D working device configuration table				Applicable working environment
Standard	6.67m Boom	2.9m Arm	2.5m ³ Rock bucket	Large workload mining
Optional	7.06m Boom	2.9m Arm	2.2m ³ Rock bucket	Routine excavation
Optional	Install 185-195 Breaking hammer			

Bucket Configuration Table

- ▶ The independently developed multi-functional intelligent work tool control system can meet different operating requirements such as digging, breaking and dismantling, and its working condition adaptability is further strengthened.
- ▶ It is designed with instantaneous boost function, and you can immediately raise the boom speed or the travel traction by pressing this button.

configuration of bucket				XE470D
type	boom:7060mm		arm:3380mm	
	width mm	capacity m ³	weight kg	
rock bucket	1662	2.2	2037	□
ripper	1039	1	1973	■
strengthen bucket	1879	2.5	2138	⊙

- :suitable for the material which density is less than 2100kg/m³
- :suitable for the material which density is less than 1800kg/m³
- ⊙ :suitable for the material which density is less than 1200kg/m³


 2.2m³rock bucket

 1m³ripper

 2.5m³strengthen bucket

XE470D hydraulic excavator is one of the leading models of large excavators launched by XCMG excavator department. The product integrates the valuable experience gained by XCMG from years of research and development of excavator products, and adopts advanced design and manufacturing methods. Meanwhile, the product adheres to the design concept of "high efficiency, high safety, low carbon and environmental protection", and has perfect mine operation ability. It can be used in mine operations, municipal construction, highway and bridge construction, digging and ditches, farmland water conservancy construction, etc.



Standard Configuration

	Name of equipment	XE470D
Engine	Engine model :	QSM11
	Emission level:	National III
		Automatic preheating
		Oil-water separator with water level indication sensor
		Radial seal air cleaner
		Air prefilter
		Cooling components of 50°C high temperature environment
		Radiator dust screen
		Fuel marker
		Fuel breather valve
Hydraulic system		Air pressure difference indicator
		Automatic idle speed
		Boom/arm flow regeneration
		Reverse rotation damping valve
		Automatic rotation parking brake
		Straight hydraulic circuit
		Boom priority valve
		Rotary logic valve
		Rotary anti-sway valve
		Spare valve disc
Cab and interior trim		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
	Two stereo speakers
	Beverage cup holder
	Coat and hat hook
	Cleanable floor mat
Cab and interior trim	Retractable seat belt (51 mm [2 "] wide)
	Air conditioning system
	High and low gears shift
	One-key boost mode
	Reserved switch for auxiliary equipment
	Shade curtain
	Top sunroof
	Intermittent multi-gear wiper
	Cup holder/envelope
	Radio receiver
	Driving door locks and cabin locks
	Alarm horn
	Isolation plate between engine and oil pump chamber
Safety and security configuration	Rear window emergency exit
	Battery circuit breaker
	Boom and arm retaining valve
	Overheat alarm

Safety and security configuration	Safety handrails and pedals
	Rotary alarm lamp
	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	Rear view monitor camera
	Falling object protective structure (FOPS)
	Single guardrail device of track
	Bottom frame traction ring
	600 mm (24 ") double-rib track shoe
	600 mm (24 ") three-rib track shoe
Working device	Protective device kit: chassis bottom sealing plate, walking motor sealing plate
	Extended chassis
	Boom 7.06m
	Arm 3.38m
	Bucket 2.2m ³ rock bucket
Electrical system	Battery (2×650CCA)
	70A Alternator
	9KW start motor
	Travel alarm
	24V Cigar lighter
	5V USB interface
Lamp	24V Power interface
	Boom working lamp at left and right side
	Working lamp installed on the right side of storage box
	Lamp inside the cab

Electrical system	Front working lamp installed on the top of cab
Counterweight	9.5t Counterweight
Technology	XEICS intelligent system
	Data link socket
Lubrication system	Arm concentration lubrication

Optional Configuration

	Name of equipment	XE470D	
Engine	Oil-water separator with heater (24V)		
	Oil bath type air prefilter		
	Oil and water quick discharge device		
	arm concentration		
	Independent cooling module		
	Fuel refueling pump 50L/min		
	Fast fill fuel system		
	Hydraulic system	Auxiliary hydraulic valve	
		Hydraulic buffer valve	
		Hydraulic pipeline: quartering hammer	
Hydraulic pipeline: cylinder and thumb pliers			
Hydraulic pipeline: Explosion-proof valve line and cylinder			
Hydraulic pipeline: quick connector			
Hydraulic pipeline: hydraulic shear			
Hydraulic pipeline: hydraulic vibrating tamper and high frequency braker			
Cab and interior trim	Hydraulic pipeline: hydraulic grip		
	Operating modes switch		
	Hydraulic oil ISO VG 32 ,68		
	Heated air suspension seat with cushion		

Cab and interior trim	Onboard oxygen device
	Fire extinguisher
Safety and security configuration	Emergency stop switch of engine
	Explosion-proof valve for boom and arm pipeline
Chassis system and shield	700mm (28 ") three-rib track plate
	800 mm (31 ") three-rib track plate
Working device	Track rubber block
	2.5m ³ Earthmoving bucket
	0.8m ³ Ripper
	Quick connector
	Quartering hammer
	Hydraulic thumb pliers
	Scarifier
	vibrating tamper
	Hydraulic shear
	Grip
	High frequency braker
	Clam shell bucket
	Plum-blossom shape grab bucket
	Sreen-type bucket
Electrical system	12V Cigar lighter
	Camera
	Rear working lamp installed on the top of cab

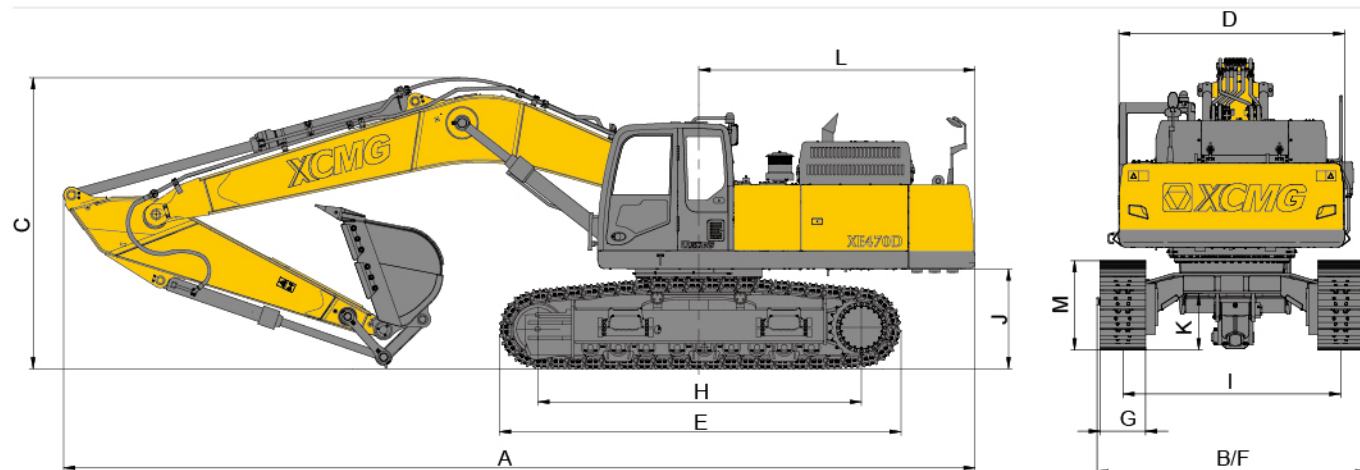
Main Specifications

Item	unit	Main specifications	
Model	/	XE470D	
Operating Weight	Kg	46900	
Bucket Capacity	m ³	2.2—2.5	
Engine	Model	/	Cummins QSM11
	Electronic Injection	/	√
	Four strokes	/	√
	Water cooling	/	√
	Turbocharging	/	√
	Air-to-air intercooler	/	√
	No.of cylinders	/	6
	Rated power	kw/rpm	250/2000
	Maximum torque/speed	N.m/rpm	1790/1400
	Displacement	L	11
	Travel speed(H/L)	km/h	5.4/3.2
	Swing speed	r/min	9.0.
	Gradeability	°	≤35
	Main Performance	Ground pressure	kPa
Bucket digging force		kN	287
Arm digging force		kN	221
Maximum tractive force		kN	338
Hydraulic System	Main pump	/	2
	Rated flow of main pump	L/min	2×360
	Main safety valve pressure	MPa	31.4/34.3
	Travel system pressure	MPa	34.3
	Swing system pressure	MPa	28.4
	Pilot system pressure	MPa	3.9

	Item	Unit	Parameters
Oil Capacity	Fuel tank capacity	L	725
	Hydraulic tank capacity	L	430
	Engine oil capacity	L	38
Standard	Length of boom	mm	6670
	Length of arm	mm	2900
	Bucket capacity	m ³	2.5
Optional	Length of boom	mm	7060
	Length of arm	mm	3380
	Bucket capacity	m ³	"2.2 Rock bucket 2.5 Strengthen bucket"

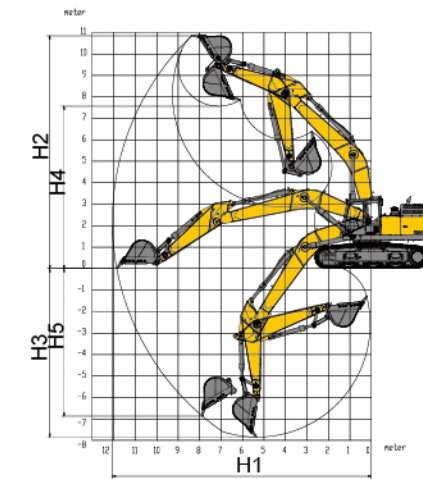
Dimensions

	Item	Unit	Parameters
Appearance size	A Overall length	mm	11670
	B Overall width	mm	3582
	C Overall height	mm	3890
	D Width of platform	mm	2995
	E Track length	mm	5353
	F Total Width of Chassis	mm	3582
	G Track shoe width	mm	600
	H Crawler base	mm	4292
	I Track Gauge	mm	2750
	J Counterweight clearance	mm	1324
	K Minimum ground clearance	mm	519
	L Minimum tail swing radius	mm	3665
	M Track height	mm	1198



Working Range

	Item	Unit	Parameters
Working scope	A Max. digging height	mm	9855
	B Max. dumping height	mm	6890
	C Max. digging depth	mm	7000
	D Maximum depth cut for 2240mm(8 ft) level bottom	mm	6900
	E Max. vertical wall digging depth	mm	4500
	F Max. digging radius	mm	10855
	G Min. swing radius	mm	4580



Lifting Capacity

Lifting point height (m)	Rated lift capacity – Straight ahead (back) (kg)					Rated lift capacity – over-side (kg)					Lifting capacity at maximum radius	
	Lifting point radius (m)					Lifting capacity at maximum radius	Lifting point radius (m)					
	3	4.5	6	7.5	9		3	4.5	6	7.5		6
7.5				*11535		*10753				9997		9356
6			*13709	*12162		*10447		*13709	9873			7734
4.5		*19930	*15229	*12827		*10297	*19930	13200	9551			6863
3			*16828	*13581	*11639	*10196		12485	9167	7081		6417
1.5			*17867	*14129	11582	*10231		11947	8856	6919		6287
Ground		*23564	*17894	*14139		*10235		17355	11594	8641		6434
-1.5	*17060	*21632	*16935	*13355		*10152	*17060	17428	11533	8575		6944
-3	*21777	*18419	*14732	*11188		*9786	*21777	17642	11666	8727		8085
-4.5		*10327	*10327			*8559		*13347	*10327			*8559

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



Machmall.com is an electromechanical product platform officially launched by XCMG, aiming to provide global customers with a complete set of high-quality construction machinery solutions and supporting equipment.

Xuzhou Construction Machinery Group Co., Ltd. (XCMG Group), founded in 1943, is the fourth largest worldwide construction machinery manufacturer and the largest in China with products covering 183 countries and regions.

XCMG have 12 complete solutions:Crane lifting,Mining Construction,Earth-moving Solutions,Road Machinery,Concrete Equipment,Tunnel and Underground Space Construction,Mobile Elevating Work Platform (MEWP),Piling and Non-excavation Equipment,Transportation Equipment, Environmental Sanitation Equipment,Firefighting,Safety and Emergency Rescue


徐工徐工，助您成功

— XCMG for your success —



 <https://www.machmall.com/>

 machmall@xcmg.com

 0086 18652 183963
86-516 8773 9797

