



Advanced Configuration

Ecological and economical

- ▶ High-power engine is more fuel saving
- ▶ New Japan Kawasaki main pump can ensure high efficiency and reduced leakage
- ▶ Efficiency main valve increases overflow pressure and reduces pressure loss
- ▶ Smart matching technology ensures higher operating efficiency and lower fuel consumption

Multiple application

- ▶ Variety of boom, stick and bucket matching to maximize utilization in different conditions;
- ▶ 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 operating experience

- ▶ Air Conditioner and Heater with Double stage air filter 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

- ▶ Whole brazing technology improves lifespan
- ▶ Upgrade undercarriage structure to improve load bearing performance
- ▶ Strengthened key stress-bearing parts of chain links

Ecological And Economical

- ▶ The whole machine adopts high-power engine that featuring with low speed, high torque and high-pressure injection, which can provide stronger power and better fuel economy performance and meet EPA Tier4F emission standards.
- ▶ Hydraulic system is efficient and quick; Valve element is optimized to reduce the internal pressure loss of the channel, improve maneuverability and efficiency of the composite operation.
- ▶ Equipped with new generation of high efficiency main valve with the functions of confluence and regeneration, the overflow pressure is increased, the pressure loss is smaller, and the working ability is more outstanding.
- ▶ Smart matching technology, the machine can achieve higher operating efficiency and lower fuel consumption, and its fuel efficiency ratio is ahead of the same tonnage models. After continuous optimization and improvement of the hydraulic system, the control performance is further strengthened, maneuverability is more refined, and leveling and loading performance is better.



Comfortable And Safe

Comfortable

- ▶ Air Conditioner and Heater with Double stage air filter: Indoor and outdoor environment temperature can be sensed 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.



- ▶ Silicone rubber shock absorber is adopted in the cab to reduce vibration and impact
- ▶ Comfortable high-performance seats: air-suspending seats with electric heating functions can achieve multi-dimensional adjustment and isolation of vibration waves.
- ▶ A new generation instrument has an 8-inch large screen display (the largest one among the industry). The page layout is more detailed and the picture is clearer.



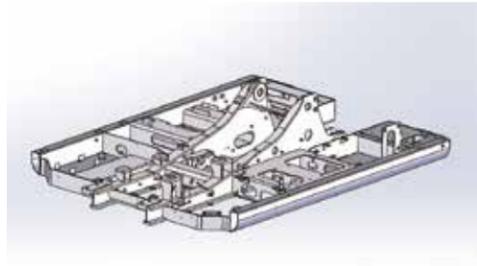
Safe

- ▶ Optional ROPS and FOPS device and protective net can improve cab safety
- ▶ The cab is structurally reinforced and the seat is equipped with safety belts
- ▶ Middle-position startup function can avoid mis-operation; standard equipped rear video function which improves operation safety; the monitor which will give audible and visual alarm when fault occurs; running alarm function.
- ▶ Equipped with fire extinguisher, safety escape hammer and anti-skid device



Reliable And Durable

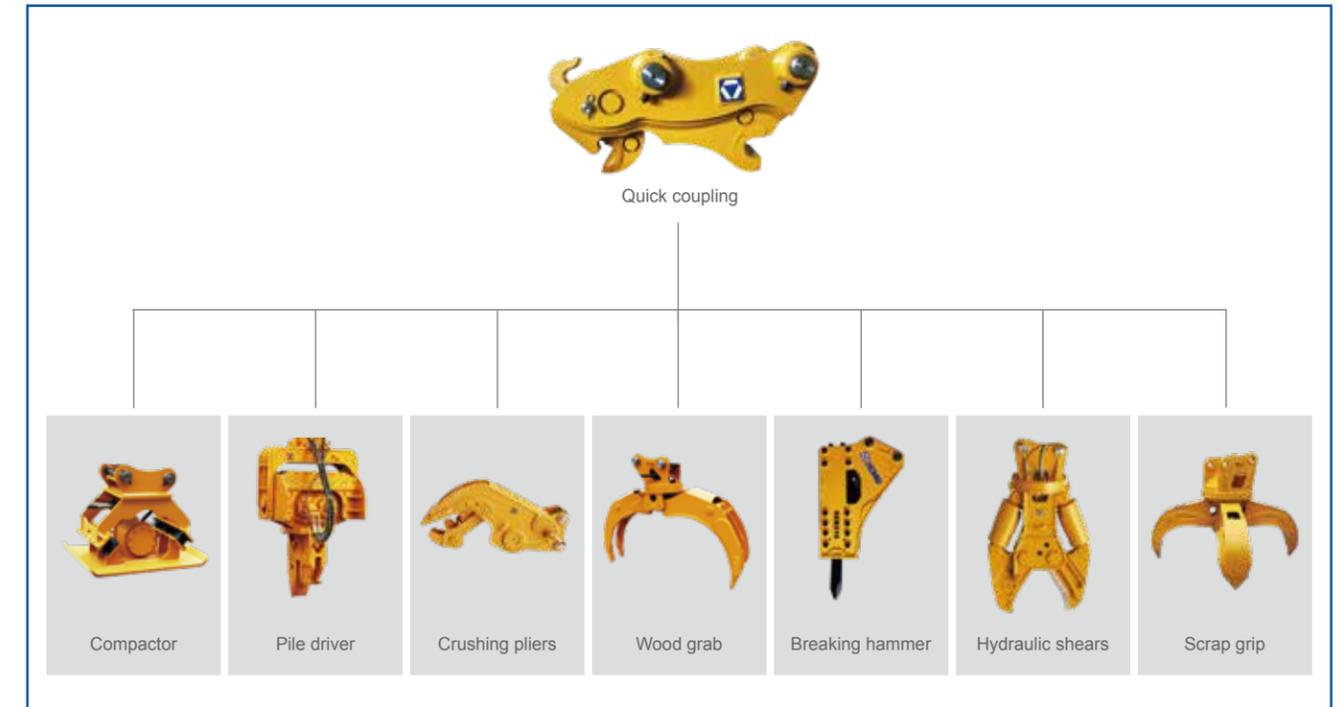
- ▶ Adopting whole brazing technology and new-type radiator welded by robots, and configuring positive pressure degassing type expansion tank, to improve the pump life, which can quickly remove the gas within engine and waterway, reduce the rust and meet 50℃ environmental operating requirements.
- ▶ The turntable adopts a rigid box structure to provide higher strength and improve the cab shock absorption ability. The engine mounting base structure is strengthened to improve shock absorption.
- ▶ With main body adopting I-beam rigid structure, the whole machine's strength is intensified, and the turntable side beam adopts the D-tube structure to improve its ability to resist external impact.
- ▶ The travelling mechanism adopts strengthened key parts of the chain rails bearing stress to improve the strength and impact resistance of the chain rails, and the service life of the track is greatly improved. With strengthened X-beam section, and the strength of the end face is greatly improved by increasing the size, thickness and structure of the box beam.
- ▶ The butter dish is changed from welding parts to integral stamping parts, which ensures the installation roundness of the sealing ring, prevents the sealing ring from wrinkling and improves the sealing performance. With strengthened X-beam section, and the strength of the end face is greatly improved by increasing the size, thickness and structure of the box beam.
- ▶ Replace the XCMG new second generation bucket to make the force more reasonable and increase the durability.
- ▶ Adopt the finite element analysis (FEA) and reinforce the key part of the boom and arm. Use the new type of shaft locking mode and increase the plate thickness. The arm has the regeneration function, which can fully improve the operation efficiency, coordination and stability of the whole machine.



Multiple application conditions

- ▶ The independently developed multi-functional intelligent work tool control system can be widely used for irrigation and water conservancy, river dredging, municipal construction and small mine construction. It can meet different operating requirements such as digging, breaking and dismantling, and its working condition adaptability is further strengthened.
- ▶ The design has the function of instantaneous pressurization. By means of the pressurization button on the handle, the rising speed of the boom or the traction force of walking can be increased instantaneously, so as to cope with complex working conditions.

- ▶ The new control system uses CAN bus, the monitor is responsible for display, the controller is responsible for signal acquisition and output, and the bus connects with monitor, GPS controller, engine ECM, which can achieve faster data management and more efficient control.



Maintenance And Service

- ▶ Accessible maintenance design reduces maintenance time by 10%, integrates electrical box, air filter, diesel filter, oil filter, pilot filter, and provides convenience to maintenance and replacement;
- ▶ Adopt maintenance-free air prefilter, which has self-cleaning function
- ▶ A wide range of after-sales service system, quick-response rescue mechanism to ensure that you use at ease



XE300U is suitable for a large volume of earthwork working conditions, using the original Cummins turbocharged in-line 6-cylinder engine, high power, more powerful, efficient and energy-saving. The main valves of the main pumps are all made of Kawasaki, Japan, which ensures the reliability and durability of the hydraulic system. Negative flow control system, double pump confluence, makes more stable hydraulic system. The new generation of intelligent control system, power load balancing, can achieve remote control, safer and more environmentally friendly. This excavator is mainly used in earthwork, mines, tunnels and other construction operations.



Standard Equipment

Name of equipment	XE300U
Automatic preheating	
Oil-water separator with water level indication sensor	
DC air filter	
50°C high temperature ambient cooling assembly	
Radiator dust screen	
Fuel marker	
Oil-water quick release device	
Electronically controlled silicone oil clutch	
Fuel filling pump 50L / min	
Fuel breather valve	
Air pressure difference indicator	
AD Blue	
Automatic idle speed	
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	
One-way hydraulic line	
Single bidirectional switchable hydraulic line	
Quick change hydraulic line	
Operation mode switching	

Hydraulic system	Rotary anti-sway valve
	Spare valve plate
	Gauge pressure monitoring
	ROPS/FOPS cab
	Top protection, front protection net
	Pressurized cab
	Air suspension seat with cushion heating
	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)
Cab and interior trim	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
	Air conditioning system
	High and low gears shift
	One-key boost mode
	Reserve switch for working aids
	Electric sunshade curtain
	Top sunroof
	Intermittent multi-gear wiper

Cab and interior trim	Cup holder/envelope
	Cold and warm storage box
	Radio receiver
	Driving door locks and cabin locks
Safety and security configuration	Alarm horn
	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 and arm pipeline
	Overheat alarm
	Safety handrails and pedals
	Rotary alarm lamp
	Anti-skid plate/anti-skid paste
	Hydraulic safety locking lever
Chassis system and shield	Emergency escape hammer
	Left and right rearview mirrors
	Bottom frame traction ring
	600 mm (24 ") three-rib track shoe
Working device	Protective device kit: chassis bottom sealing plate, walking motor sealing plate
	Track double rail protector
	Boom 6.2m
Electrical system	Arm 3.11 m
	Bucket 1.6m ³ Rock Bucket
Electrical system	Battery (2× 850CCA)
	70A alternator

Electrical system	7.8 kW starter motor
	Travel alarm
	12V cigarette lighter
	Rear Camera
Lighting lamp	5V USB interface
	Right and left boom work lights
	Right working light installed on storage box
	Cab interior lighting
Counterweight	Front working light installed on cab top
	5.5 t counterweight
Technology	XEICS intelligent control system
	Data link socket
Lubrication system	Boom and stick centralized lubrication
	Centralized lubrication

Optional Equipment

	Name of equipment	XE300U
Engine	Coolant heater (fuel type)	
Hydraulic system	Hydraulic oil ISO VG 32, 68	
Cab and interior trim	Fully adjustable mechanical suspension seat	
	Fire extinguisher	
Chassis system and shield	Track single rail protector	
	700 mm (28 ") three-rib track shoe	
	800 mm (31 ") three-rib track shoe	
	Full-length track guard (two-piece, lower frame needs to be replaced)	
Working device	Arm 2.6 5m	
	1.4m ³ Strengthened bucket	

	1.5m ³ Strengthened bucket
Working device	Quick coupler
	Hydraulic breaker
	Hydraulic thumb pliers
	Ripper
	Vibratory plate compactor
	Hydraulic shear
	Grapples
	High frequency crusher
	Clamshell bucket
	Scrap grapple
Screening bucket	
	Pipe grab
Counterweight	200 kg auxiliary counterweight
Electrical system	24V cigarette lighter
	12V power interface

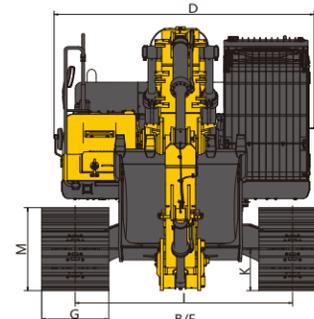
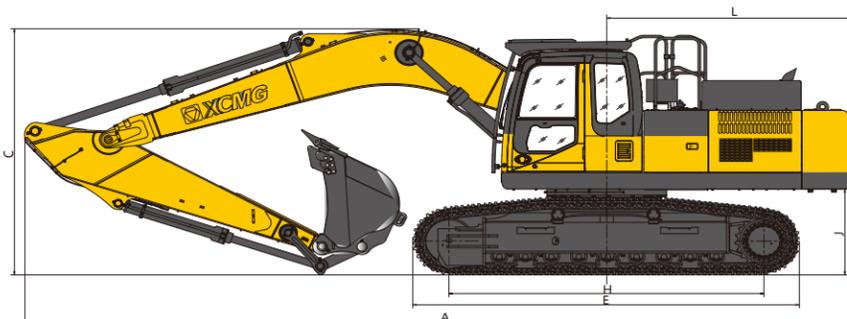
Main Specifications

Item	unit	Main specifications	
Model	/	XE300U	
Operation weight	Kg	32700	
Bucket capacity	m ³	1.4~1.6	
Engine	Model	Cummins QSB7	
	Electronic injection	/	
	Four strokes	/	
	Water cooling	/	
	Turbocharging	/	
	Air-to-air intercooler	/	
	No.of cylinders	6	
	Rated power	kw/rpm	180/1900
	Maximum torque/speed	N.m/rpm	990/1500
	Displacement	L	6.7
Main performance	Travel speed	km/h	5.0/2.9
	Swing speed	r/min	9.8
	Gradeability	°	≤35
	Ground pressure	kPa	44.7
	Bucket digging force	kN	201
	Arm digging force	kN	140
	Maximum tractive force	kN	262
	Main pump	/	2
Hydraulic system	Rated flow of main pump	L/min	2×266
	Main safety valve pressure	MPa	34.3/37
	Travel system pressure	MPa	34.3
	Swing system pressure	MPa	30
	Pilot system pressure	MPa	3.9

Item	unit	Main specifications
Oil Capacity	Fuel tank capacity	L 520
	Hydraulic tank capacity	L 270
	Engine oil capacity	L 30
Standard	Length of boom	mm 6200
	Length of arm	mm 3110
	Bucket capacity	m ³ 1.6
Optional	Length of boom	mm 6200
	Length of arm	mm 2600
	Bucket capacity	m ³ 1.4 (Rock bucket) 1.6(Earth Bucket)

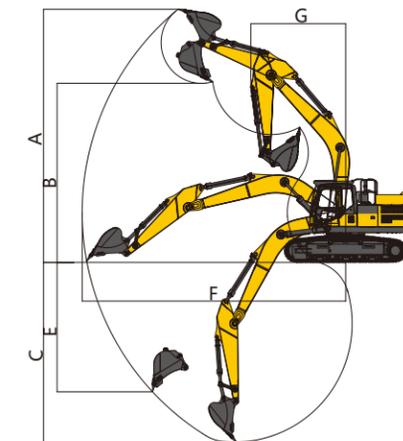
Dimensions

Item	Unit	Parameters
A Overall length	mm	10645
B Overall width	mm	3390
C Overall height	mm	3500
D Width of platform	mm	2960
E Track length	mm	4945
F Total Width of Chassis	mm	3390
G Track shoe width	mm	600
H Crawler base	mm	4030
I Track Gauge	mm	2590
J Counterweight Clearance	mm	1198
K Minimum Ground Clearance	mm	500
L Minimum Tail Swing Radius	mm	3200
M Track Height	mm	1085



Working Range

Item	Unit	Parameters
A Max. digging height	mm	10145
B Max. dumping height	mm	7180
C Max. digging depth	mm	7200
D Maximum depth cut for 2240mm(8 ft) level bottom	mm	-
E Maximum vertical wall digging depth	mm	5185
F Max. digging radius	mm	10665
G Min. swing radius	mm	3850



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 point radius (m)							
	1.5	3	4.5	6	7.5	9	1.5	3	4.5	6	7.5	9		
8.8							*5394							*5394
7.5							*5109							*5109
6				*5400	*5345		*4943			*5400	*5345			*4943
4.5			*7478	*6273	*5713		*4989		*7478	*6273	5556			4388
3			*9945	*7443	*6309		*5211		*9945	7355	5325			4047
1.5			*12035	*8578	*6941	*5759	*5632		10267	6934	5099	3927		3916
Ground			*13079	*9386	*7438		*6357		9891	6656	4933			3975
-1.5		*10350	*13241	*9717	*7639		*6806		*10350	9806	6539	4862		4264
-3	*11954	*16622	*12663	*9454			*7275	*11954	*16622	9903	6574			4938
-4.5		*15493	*11092	*8150			*7795		*15493	10190	6805			6539

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



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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

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