



XE270DK

Hydraulic Excavator



CAMC

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► Advanced Configuration

Ecological and economical

- ▶ Cummins engine with low fuel consumption, low emission can provide strong power
- ▶ High pressure common rail system improve combustion efficiency.
- ▶ With optimized engine power curves and low speed large torque output



Multiple applications

- ▶ Different boom and bucket combinations maximize utilization of different conditions;
- ▶ Multi-functional machine system meets various job requirements such as digging and crushing

Comfortable operating experience

- ▶ Air Conditioner and Heater and multi-channel stereo air input system ensure the appropriate temperature
- ▶ Equipped with advanced audio system
- ▶ The cab equipped with hydraulic shock absorbers has multi-directional and multi-level adjustment functions

Excellent after-sales service

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

Convenient maintenance

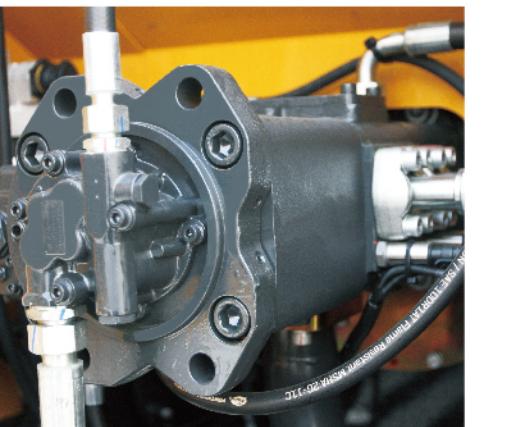
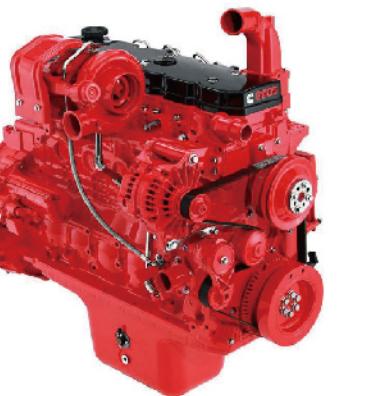
- ▶ Easy maintenance design concept makes your maintenance done without dead angle
- ▶ Daily maintenance points are within your reach

Safe and durable

- ▶ Upgraded undercarriage structure improves load bearing performance
- ▶ Strengthened key stress-bearing parts of chain links
- ▶ Strengthened and wear-resistant bucket is more durable

Ecological And Economical

- With Cummins imported direct fuel injection engine adopted, the machine has stronger power and higher fuel economy.
- High pressure common rail system realizes optimum fuel injection control so as to effectively improve combustion efficiency. The excellent engine system makes the machine's high altitude adaptability and **can work in an area of 5,000 meters above sea level.**
- A new generation of intelligent electronic control system, which integrates intelligence, environmental protection and safety, to achieve the balance of power and hydraulic load; Intelligent electronic control can achieve remote control, with new memory function, the operation process will be recorded at any time, and power conversion device will optimize power use.
- With optimized engine power curves and low speed large torque output, the fuel consumption is greatly reduced while providing strong power, which satisfies dynamic balance and economy of power output and fuel consumption in heavy-load mode.
- Efficient positive flow control system has features of high reliability, less pressure loss, high flow distribution efficiency and smooth compound movements, energy conservation, efficiency, controllability and other aspects are greatly improved.
- Fully optimized new hydraulic system, **Increased workload by 12% compared to previous generation.**



Comfortable And Safe

Driver's cab

- With high strength pillar with irregular shape adopted, the rigidity of driver's cab is greatly improved and safety is guaranteed.
- Anti-rolling cab is equipped, top protection, front protection and side protection can be installed to meet the requirements of falling objects so as to further improve safety of the cab.

Wide field of vision

- The panoramic sunroof design brings wider field of vision. Centralized arrangement of the buttons makes driving experience be overall upgraded.



Trim arrangement

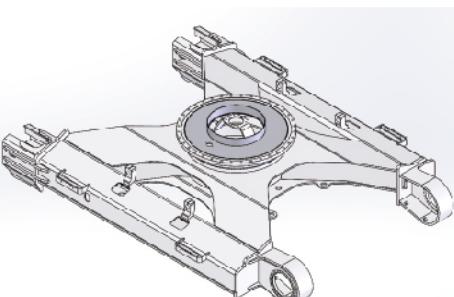
- Brand new interior design, commonly used electrical switches and spare switches are integrated in the right side interior trims, centralized location brings easy operation.
- The mounting holes for low temperature start, quick change and other expansion function are reserved.
- Brand new electronic air conditioning system provides strong refrigerating and heating capability, and the automatic adjustment thermostat of air conditioner provides the comfortable temperature that is the most suitable for human body.

**Comfortable damping**

- Damping spring is added inside high performance silicone oil shock absorber, which can effectively isolates the shock wave in specific frequency band and improves comfort.

Reliable And Durable

- The turntable adopts a rigid box structure to provide higher strength and improve the cab shock absorption. 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 main body of the turntable adopts robot welding technology to improve the durability and safety of the structural parts.



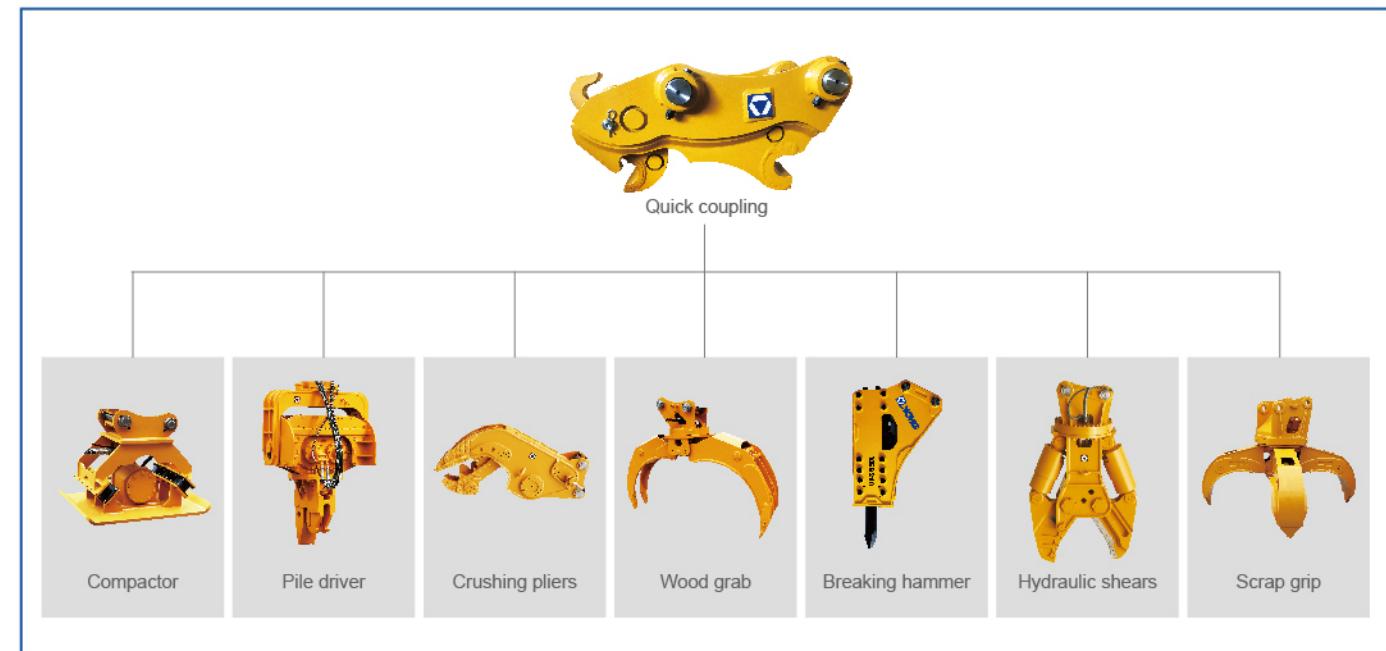
- The travelling mechanism adopts strengthened key parts of the chain rails bearing stress to improve the strength and impact resistance of the chain rails, and the service life of the track is greatly improved. The butter dish is changed from welding parts to integral stamping parts, which ensures the 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.

**Intelligent Control**

- The intelligent electronic control system can achieve integrated control for engine speed and input power of hydraulic pump, meanwhile remote fault monitoring and self-diagnostic function is available.
- The remote control platform is completed, and functions including remote fault diagnosis, remote setting of host operating parameters, remote monitoring of working status, automatic prompting of maintenance information and other functions are improved.
- New generation 8-inch color touch screen display brings more detailed menu layout, clearer screen displaying and more friendly human-computer interface, and video displaying function is reserved and various video formats can be supported.

**Multiple Application Conditions**

- The independently developed multi-functional intelligent work tool control system can realize crushing, shearing, cleaning, compacting, milling, transporting, pinching, grasping, scraping, loosening, lifting, and other operations, and can truly integrate multiple operations into one machine.
- Different boom and bucket combinations can adapt to various working conditions

**Maintenance And Service**

- Daily maintenance points are within your reach: Whether it is fuel filter, oil filter, pilot filter, you can directly service it on the ground, the operation is easy and cost saving.
- A wide range of after-sales service system, quick-response rescue mechanism can ensure that you use at ease



XE270DK hydraulic excavator is a modified product of XCMG's DK series, which is specially designed for heavy-duty operations in small and medium-sized mines and quarries. Based on "efficient, reliable, intelligent and energy saving", dig down into product performances. Through the program optimization, operation speed is paired with adaptive fuel consumption in all working modes, and fuel consumption will be reduced by 6% without affecting the efficiency. With reinforced boom and arm, standard 1.3m³ rock bucket, and optimized bucket shape, the digging resistance will be decreased and the durability will be doubled. Can be widely used in earth and stone works, municipal construction, highway and bridge construction, trenching and construction of canals, farmland water conservancy construction, small mine operations and other projects.



Standard Configuration

Name of equipment		XE270DK
Engine model QSB7	QSB6.7	
Automatic preheating		
Oil-water separator with water level indication sensor		
Radial seal air cleaner		
Air prefilter		Cab and interior trim
Radiator dust screen		
Fuel marker		
Air pressure difference indicator		
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		
Rotary anti-sway valve		
Fully adjustable mechanical suspension seat		Safety and security configuration
Adjustable seat armrest		
Seat belt (51 mm [2 "] wide)		
Openable windscreen with auxiliary device		
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
Air conditioning system
High and low gears shift
One-key boost mode
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
Rear window emergency exit
Battery circuit breaker
Boom and arm retaining valve
Overheat alarm
Safety handrails and pedals
Anti-skid plate/anti-skid paste
Hydraulic safety locking lever
Emergency escape hammer
Left and right rearview mirrors
Bottom frame traction ring
600 mm (24 ") three-rib track shoe
Protective device kit: chassis bottom sealing plate, walking motor sealing plate

Chassis system and shield	single guardrail device of track	Rotating alarm light
	Boom 6.0m	
Working device	Arm 2.96m	Counterweight reaview mirror
	Bucket 1.3m ³ strengthened bucket	
Lamp	Boom working lamp at left and right side	Roll off protection structure(ROPS)
	Working lamp installed on the right side of storage box	
Electrical system	Lamp inside the cab	Falling object protective structure (FOPS)
	Battery (2×850CCA)	
Counterweight	70A Alternator	600 mm (24 ") double-rib track plate
	7.8KW start motor	
	24V Cigar lighter	700 mm (28 ") double-rib track plate
	5.4t Counterweight	
Chassis system and shield	800 mm (31 ") double-rib track plate	800 mm (31 ") three-rib track plate
	700 mm (28 ") three-rib track plate	
	800 mm (31 ") three-rib track plate	Arm 2.5m
	1.1m ³ Rock bucket	
	1.1-1.3m ³ strengthened bucket	1.4m ³ Earthwork bucket
	1.4m ³ Earthwork bucket	
	Quick coupler	Hydraulic breaker
	Travel alarm	
Working device	Camera	Front working lamp installed on the top of cab
	5V USB interface	
	Rear working lamp installed on the top of cab	200kg vice counterweight(two for options)
	Front working lamp installed on the top of cab	
Hydraulic system	Electric self-lubrication system	Arm concentration
	Hydraulic oil ISO VG 32, 68	
Cab and interior trim	Spare valve disc	Arm concentration
	Retractable seat belt (51 mm [2 "] wide)	
	Heating and cooling storage box	Fire extinguisher
	Expllosion-proof valve of boom and arm pipeline	
	Reserved switch for auxiliary equipment	

Optional Configuration

Name of equipment	XE270DK	Working device
	Oil-water separator with heater (24V)	
Engine	Oil bath type air prefilter	Front working lamp installed on the top of cab
	arm concentration	
Hydraulic system	Fuel refueling pump 50L/min	Rear working lamp installed on the top of cab
	Hydraulic pipeline:quartering hammer	
Cab and interior trim	Operating modes switch	200kg vice counterweight(two for options)
	Hydraulic oil ISO VG 32, 68	
	Spare valve disc	Electric self-lubrication system
	Retractable seat belt (51 mm [2 "] wide)	
	Heating and cooling storage box	Arm concentration
	Expllosion-proof valve of boom and arm pipeline	
	Reserved switch for auxiliary equipment	

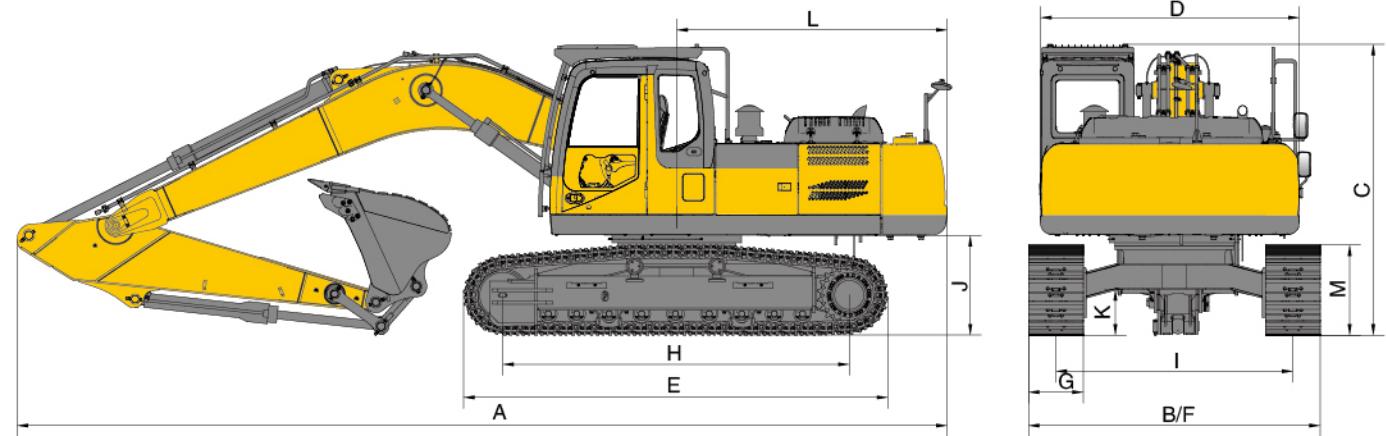
Main Specifications

Item	unit	Main specifications	
Sales Model	/	XE270DK	
Operating Weight	Kg	26500	
Bucket Capacity	m ³	1.1-1.4	
Model	/	QSB7	
Direct injection	/	√	
Four strokes	/	√	
Water cooling	/	√	
Engine	Turbocharging	√	
	Air cooled	√	
	No.of cylinders	6	
Output power	kw/rpm	150/2050	
Maximum torque/speed	N.m/rpm	825/1250	
Displacement	L	6.7	
Travel speed	km/h	6.1/3.8	
Swing speed	r/min	11.4	
Gradeability	°	35	
Main Performance	Ground pressure	kPa	52.1
	Bucket digging force	kN	185
	Arm digging force	kN	129
	Maximum tractive force	kN	206
	Main pump	/	/
	Rated flow of main pump	L/min	2×259
Hydraulic System	Main safety valve pressure	MPa	34.3/37
	Travel system pressure	MPa	34.3
	Rotary system pressure	MPa	25
	Pilot system pressure	MPa	3.9

Item	Unit	Parameters	
Oil Capacity	Fuel tank capacity	L	400
	Hydraulic tank capacity	L	220
	Engine oil capacity	L	19.5
Standard configuration	Length of boom	mm	6000
	Length of arm	mm	2964
Optional configuration	Bucket capacity	m ³	1.3
	Length of boom	mm	/
	Length of arm	mm	2500
	Bucket capacity	m ³	1.1 Rock bucket/1.3/1.4 Earth Working bucket

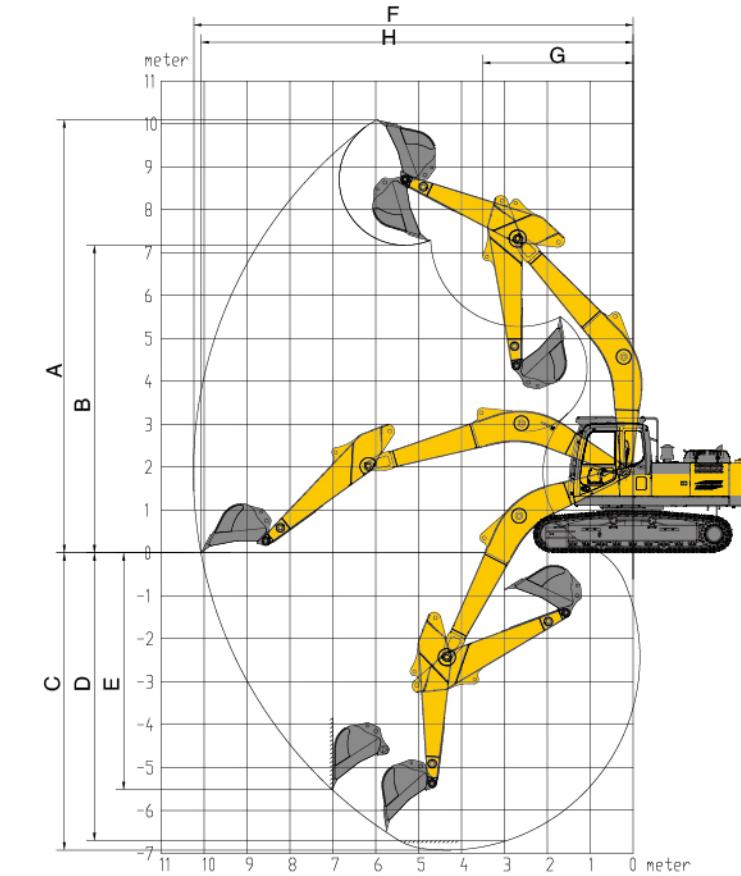
Dimensions

Item	Unit	Parameters	
Apperance size	A Overall length	mm	10170
	B Overall width	mm	3190
	C Overall height	mm	3175
	D Width of platform	mm	2995
	E Track Length	mm	4640
	F Overall width of chassis	mm	3190
	G Track width	mm	600
	H Length to center of rollers	mm	3790
	I Track Gauge	mm	2590
	J Counterweight Clearance	mm	1090
	K Min. ground clearance	mm	495
	L Min. tail swing radius	mm	2955
	M Track height	mm	988



Working Range

Item	Unit	Parameters
Working scope	A Max. digging height	mm 10095
	B Max. dumping height	mm 7170
	C Max. digging depth	mm 6925
	D Maximum depth cut for 2240mm(8 ft) level bottom	mm 6705
	E Max. vertical wall digging depth	mm 5520
	F Max. digging radius	mm 10240
	G Min. swing radius	mm 3510



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)					
	1.5	3	4.5	6	7.5		1.5	3	4.5	6		
7.5						*3850					*3250	
6				*5230	*5230	*4830				*5230	4770	
4.5			*7380	*6520	*5754	*4100			*7380	6550	4640	
3			*10050	*7120	5930	*4280			*8380	5530	4320	
1.5			*12100	*8050	5680	*4350			7330	5635	4190	
Ground			*12270	8350	5430	*4550			7430	5240	3865	
-1.5		*10250	*12040	8526	5470	*4780			*10250	7920	5420	
-3	*13050	*12950	*12547	8665		5940	*13050	11495	7991	5361		
-4.5		*15863	*10100			*7160		14934	8236		4950	

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