



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

- ▶ 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.
- ▶ New Japan Kawasaki main pump is fully upgraded with large displacement, which is 7% higher than that of the previous generation. It can ensure high efficiency and reduced leakage under the same pressure. Swashplate swing angle increases power density greatly.
- ▶ 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

- ▶ 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.
- ▶ 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 handrails, 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.

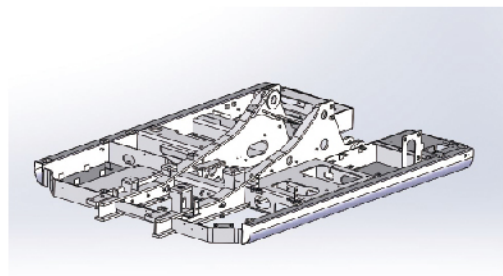
Safe

- ▶ 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

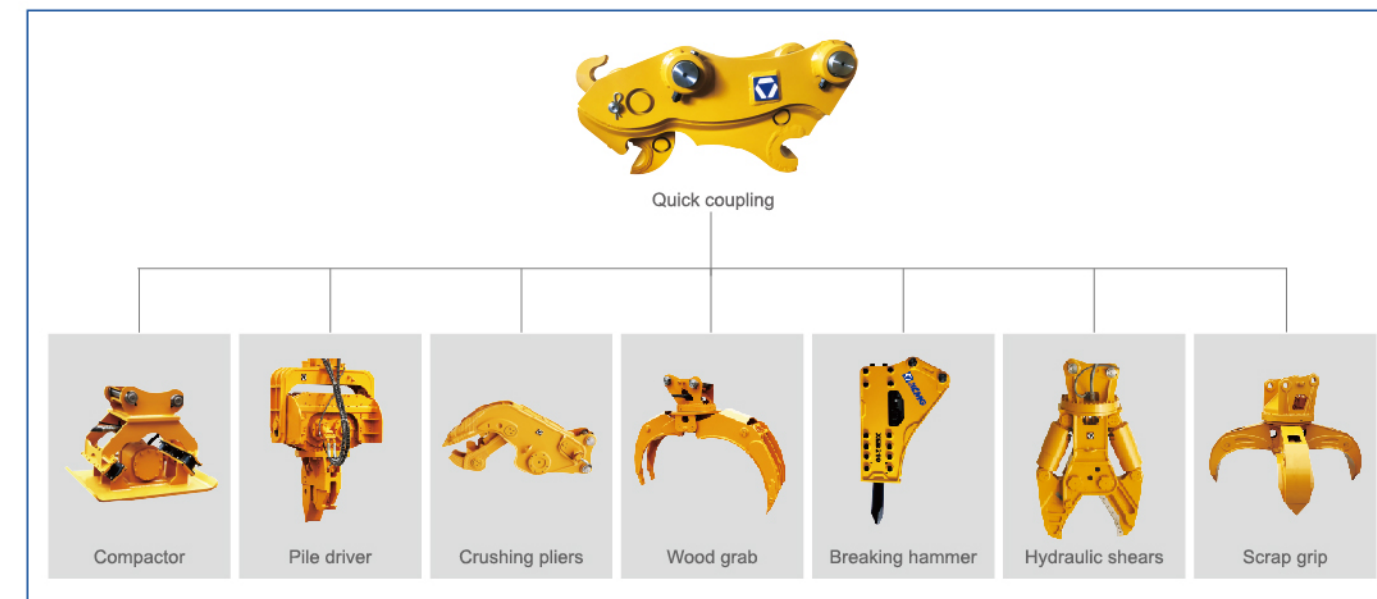
- ▶ Adopting whole brazing technology and new-type radiator welded by robots, and configuring positive pressure degassing type expansion tank, to improve the pump life, which can quickly remove the gas within engine and waterway, reduce the rust and meet 50℃ environmental operating requirements.
- ▶ 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 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.
- ▶ Replace the XCMG new second generation bucket to make the force more reasonable and increase the durability.



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

- ▶ 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.



XE150U is suitable for complex earth and rock working conditions. With Cummins powerful engine, which is energy-efficient and matched the best fuel economy adjustment, the efficiency of this engine can be greatly improved. The main valve of the main pump adopts imported original parts, which ensures the reliability and durability of the product. Structured design of the working device and chassis to make its strength withstand any test, and finally it is matched XCMG's latest XEICS intelligent control system and integrated cab, so that operators more comfortable, safer and labor-saving. This excavator is mainly used in road, municipal and other light urbanization open-air operations.



Standard Equipment

| | | |
|------------------|--|----------|
| Engine | Name of equipment | XE150U |
| | Engine model | QSB4.5 |
| | Emission level | Stage IV |
| | Automatic preheating | |
| | Oil-water separator with water level indication sensor | |
| | Radial seal air cleaner | |
| | Air prefilter | |
| | 50°C high temperature ambient cooling assembly | |
| | Radiator dust screen | |
| | Fuel marker | |
| | Oil-water quick release device | |
| | Fuel breather valve | |
| | Air pressure difference indicator | |
| | 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 | |
| | Hydraulic pipeline: breaking hammer and thumb clamp | |
| | Operation mode switching | |
| | Rotary anti-sway valve | |
| | Spare valve plate | |

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|-----------------------------------|---|
| Hydraulic system | Gauge pressure monitoring |
| | Pressurized cab |
| | 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 |
| Cab and interior trim | Cleanable floor mat |
| | Air conditioning system |
| | High and low gears shift |
| | One-key boost mode |
| | Top sunroof |
| | Intermittent multi-gear wiper |
| | 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 |

| | |
|-----------------------------------|--|
| Safety and security configuration | 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 |
| | Emergency escape hammer |
| | Roll over protection structure (ROPS) |
| | Falling object protection structure (FOPS) |
| Chassis system and shield | Track single rail protector |
| | Bottom frame traction ring |
| | 600 mm (24 ") three-rib track shoe |
| | Protective device kit: chassis bottom sealing plate, walking |
| | motor sealing plate |
| Equipment | Boom |
| | Arm 2.964 m |
| | Bucket 0.61M3 Strengthening Bucket |
| Electrical system | Battery (2× 750CCA) |
| | 70A alternator |
| | 4.8 kW starter motor |
| | Travel alarm |
| | 12V cigarette lighter |

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|-------------------|--|
| Electrical system | Camera |
| | 5V USB interface |
| Lighting lamp | Right and left boom work lights |
| | Right working light installed on storage box |
| Counterweight | Cab interior lighting |
| | 2.95 t counterweight |
| Technology | XEICS intelligent control system |
| | Data link socket |

Optional Equipment

| | Name of equipment | XE150U |
|---------------------------|--|--------|
| Engine | Oil-water separator with heater (24V) | |
| Hydraulic system | Hydraulic oil ISO VG 32, 68 | |
| | Retractable seat belt (51 mm [2 "] wide) | |
| Cab and interior trim | Vehicle mounted oxygen supply device | |
| | Fire extinguisher | |
| | Reserve switch for working aids | |
| | Electric sunshade curtain | |
| Chassis system and shield | 600 mm (24 ") three-rib track shoe | |
| | 800 mm (31 ") three-rib track shoe | |
| | Track rubber block | |
| Equipment | Arm 2.1/3.01 m | |
| | 0.52m3 Strengthened bucket | |
| | 0.3/0.4/0.7 m3 Earthwork bucket | |
| | Quick coupler | |
| | Hydraulic breaker | |

| | |
|--------------------|--|
| Equipment | Hydraulic thumb pliers |
| | Vibratory plate compactor |
| | Hydraulic shear |
| | Grapples |
| | High frequency crusher |
| | Clamp shell bucket |
| | Screening bucket |
| Electrical system | Pipe grab |
| | 24V cigarette lighter |
| Electrical system | Front working light installed on cab top |
| | Rear working light installed on cab top |
| Lubrication system | Arm concentration |

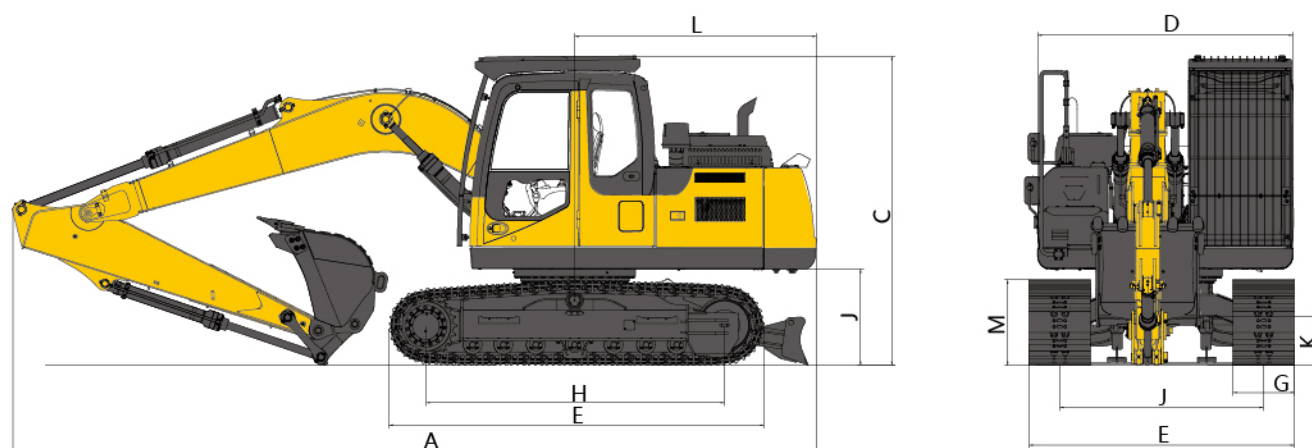
Main Specifications

| Item | unit | Main specifications |
|------------------|------------------------|---------------------|
| Model | / | XE150U |
| Operation weight | Kg | 14800 |
| Bucket capacity | m ³ | 0.32~0.72 |
| Engine | Model | Cummins QSB4.5 |
| | Electronic injection | √ |
| | Four strokes | √ |
| | Water cooling | √ |
| | Turbocharging | √ |
| | Air-to-air intercooler | √ |
| | No.of cylinders | 4 |
| | Rated power | kw/rpm 90/2200 |
| | Maximum torque/speed | N.m/rpm 470/1500 |
| | Displacement | L 4.5 |

| Item | unit | Main specifications |
|------------------|----------------------------|---|
| Main performance | Travel speed | km/h 5.3/3.2 |
| | Swing speed | r/min 11.7 |
| | Gradeability | ° ≤35 |
| | Ground pressure | kPa 38 |
| | Bucket digging force | kN 106.9 |
| | Arm digging force | kN 73.4 |
| | Maximum tractive force | kN 134 |
| Hydraulic system | Main pump | / 2 |
| | Rated flow of main pump | L/min 2×123.5 |
| | Main safety valve pressure | MPa 34.3/37 |
| | Travel system pressure | MPa 34.4 |
| | Swing system pressure | MPa 25 |
| | Pilot system pressure | MPa 3.9 |
| Oil Capacity | Fuel tank capacity | L 260 |
| | Hydraulic tank capacity | L 105 |
| | Engine oil capacity | L 11 |
| Standard | Length of boom | mm 4600 |
| | Length of arm | mm 2520 |
| | Bucket capacity | m ³ 0.61 |
| Optional | Length of boom | mm -- |
| | Length of arm | mm 2100/3010 |
| | Bucket capacity | m ³ 0.52 (Rock bucket) 0.52 (Strengthened bucket) 0.32/0.4/0.72 (Earthwork bucket) |

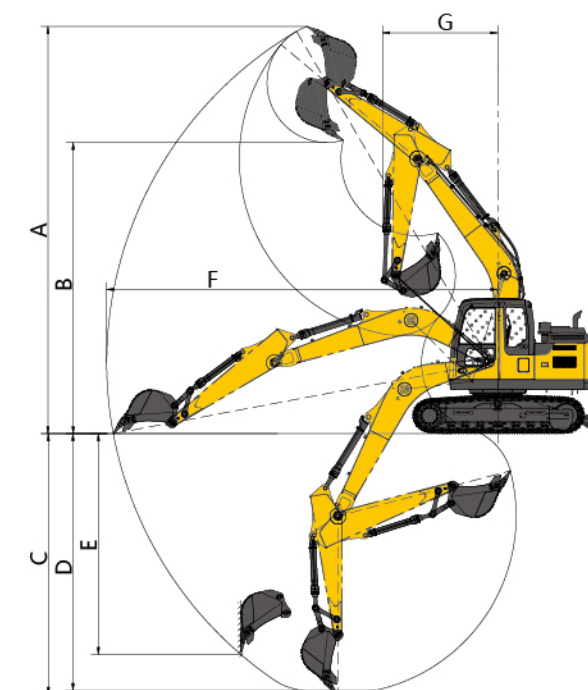
Dimensions

| | Item | Unit | Parameters |
|----------------|-----------------------------|------|------------|
| Apperance size | A Overall length | mm | 7806 |
| | B Overall width | mm | 2590 |
| | C Overall height | mm | 2900 |
| | D Width of platform | mm | 2490 |
| | E Track length | mm | 3658 |
| | F Total Width of Chassis | mm | 2590 |
| | G Track shoe width | mm | 600 |
| | H Crawler base | mm | 2910 |
| | I Track Gauge | mm | 1990 |
| | J Counterweight Clearance | mm | 942 |
| | K Minimum Ground Clearance | mm | 476 |
| | L Minimum Tail Swing Radius | mm | 2355 |
| | M Track Height | mm | 836 |



Working Range

| | Item | Unit | Parameters |
|---------------|---|------|------------|
| Working scope | A Max. digging height | mm | 8640 |
| | B Max. dumping height | mm | 6180 |
| | C Max. digging depth | mm | 5520 |
| | D Maximum depth cut for 2240mm(8 ft) level bottom | mm | 5324 |
| | E Maximum vertical wall digging depth | mm | 4697 |
| | F Max. digging radius | mm | 8304 |
| | G Min. swing radius | mm | 2445 |



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 | | | *3438 | *3371 | *2404 | | | *3438 | 2593 | 2357 |
| 3 | | *5662 | *4186 | *3592 | *2398 | | *5662 | 3869 | 2523 | 2040 |
| 1.5 | | *8117 | *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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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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