

# XCG210LC-8

FULLY HYDRAULIC EXCAVATOR

||||| The brand-new 8th series |||||



## ▲ HYDRAULIC EXCAVATOR

- » Rated bucket capacity: 0.9m<sup>3</sup>
- » Operating weight: 20600kg
- » Rated output: 163.2Hp

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## Power system — ISUZU

- ☆ Original ISUZU diesel engine with current world technology level; super-strong power output, energy conservation and environmental friendly;
- ☆ The total fuel consumption of the machine is evidently lower than other machine with different engine;
- ☆ Automatic pre-heating, easy to start at low temperature- suitable for operation at high elevation, very cold area;
- ☆ The imported new vortex air filter (it can be reused after cleaning) extend the lifetime of the engine cylinders.



## Hydraulic part: Comprehensive promotion

— (comparing with original Series 7)

### Hydraulic pump:

- ☆ The negative flow, dual-pump crossed full-power control system, has unique energy saving, rapid response;
- ☆ KR3 series regulator- the flow reset automatically, start without load, effectively prevent the overload;
- ☆ The low flow instruction has the priority in control, the energy saving is prior;
- ☆ The new oil way design, the integration of the pump is higher and the operation is more reliable.



### Main valve:

- ☆ The newly incorporated inner-mounted fully automatic interlock system (comparing with original Series 7) increase the operation safety greatly;
- ☆ Inner-mounted special oil inlet safety valve- overload protection and anti-cavity;
- ☆ The fast response negative flow system guarantee it is in low flow when control level at neutral position to minimize power consumption;
- ☆ The unique design of the new spool greatly increase the operation preciseness;
- ☆ The incorporated jet-flow sensor in the valve, swing priority, arm priority, boom priority, including the unique bucket flow combifunction- realize the interflow on every side (swing arm, bucket rod, bucket), straight travel;
- ☆ Return oil regeneration- energy saving;
- ☆ Adjustable stand-by valve- it can be fitted with various hydraulic machines and tools, expand the excavator operation function.



### Swing mechanism:

- ☆ Wear-free hydraulic brake, mechanical delay lock- extend the lifetime;
- ☆ Inner-mounted buffer starting valve set, pressure adjusting valve- smooth and no impact;
- ☆ Inner-mounted main and secondary dual hydraulic anti-reverse valve- rapid, accurate swing positioning control, the working stability further improved;
- ☆ The oil level gauge also has the function of air moisture absorption- fit in with the violent temperature change between day and night to resist damp air;
- ☆ The integrated design of motor, planetary reduction- more compact structure and more convenient maintenance;
- ☆ The hydraulic oil tank has unique metal magnetic rod for abstracting metal particles and maintain the cleanness of hydraulic oil;
- ☆ The standard oil filling pump- provide maxim user convenience.

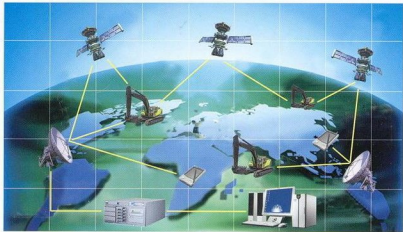


### Travel device:

- ☆ Intelligent dual speed switchover- automatically sense the gradient resistance and adjust the speed;
- ☆ Inner-mounted buffer starting valve set- smooth start and no impact;
- ☆ Inner-mounted automatic changing-over slide valve- for immediate stop while traveling;
- ☆ New closed wet disc brake device- increased slope packing safety.



## XCG Entelctrl remote intelligent service system



— State-of-art science and technology Time concern

### Main function:

- ☆ Supervise machine operation parameters in real time, knowing operating status of the equipment at a glance;
- ☆ Remote diagnosis and failure pre-warning;
- ☆ Automatic remind of scheduled maintenance;
- ☆ GPS machine position allocation.

### Electrical monitor and check function to be clear at a glance:

- ☆ The instrument-panel uses multi-functional liquid crystal display(LED) in bi-lingual displays (Chinese-English), which is striking and artistic. It concentrically displays the working status of the engine (water temperature, pressure of engine oil etc.), working status of the hydraulic system, electrical signal, working time etc.
- ☆ The overall failure alarm and record function make the operator aware of the status of the excavator comprehensively just by staying in the cabin. It can not only guarantee the safe operation of the machine, but also maintain can be carried out rapidly according to the alarm record should a problem occurred in the system;
- ☆ The digital display monitor system control the working status of machine in real time, and the heater plus air conditioner provides operator's comfort in all weather conditions.



### Computer power control:

- ☆ H——The engine throttle is at the max fuel supply position, the pump is set at the Max load output. Under this condition, the engine runs at the maxim speed, full power and the shortest working circle;
- ☆ S——suitable for normal excavation and loading operation, short circle time, low fuel consumption, high working efficiency;
- ☆ L——the engine is set at relatively lower speed, suitable for leveling after excavating work.

### High strength and stable undercarriage:

- ☆ The strengthened X-shape box structure frame is wholly welded and connected by the low stress, high strength steel plate to ensure the strength and reliability;
- ☆ Different grades of low alloy steel are used on the track pads to suit various working conditions, optional high-reliability track roller, carrier roller and track protecting frame, will prevent outer damage incurred during traveling on the coarse ground and wet place.

## Reinforced working device

— (comparing with original Series 7)

- ☆ The boom, bucket arm adopts higher grade steel plates than those on the original Series 7, though finite element analysis method, the new design has enlarged the effective section area and increased the steel plate thickness, so it suitable for even harsh operation environment such as mine, quarry etc;
- ☆ The rock bucket adopts the imported high-strength wear-resistance steel plate, Ameri can ESCO bucket teeth so to extend the lifetime greatly;
- ☆ The latest bucket design greatly reduces digging resistance, increase the operation efficiency, lower the fuel consumption;
- ☆ All weld seams are 100% ultrasonic flaw-detecting inspected;
- ☆ The adjustable sealed pivot connection of bucket and arm ensure the low wear and low noise operation.



• The brand-new,  
Intelligence saver fuel

**High power, low fuel consumption, and environment friendly.** — High power output, super-low fuel consumption, low-cost operation, super-low noise, ISUZU C&S diesel engine has the Tier II emission certification;

**Specialization, high quality** — Focused on excavator development and research in last 20 years with accumulated experience and know-how, leading position in Chinese excavator industry;

**Strengthened structure** — 100% ultrasonic inspection to ensure durability;  
**XCG Entelctrl remote intelligent service system. (optional)**

General Specifications			
Type	<b>XCG210LC-8</b>		
Rated bucket capacity	m <sup>3</sup>	0.9	
Operating weight	kg	20600	
Dimension (In trans- portation)	Overall length	mm	9625
	Overall width	mm	2980
	Overall height	mm	2970
	Min. ground clearance	mm	468
	Track shoe width	mm	600
Engine	Mode	ISUZU BB-6BG1T	
	Rated output	Hp(kW)	163.2(120)
	Rated speed	rpm	2150
	Displacement	L	6.5
	Fuel tank	L	400
Working ranges & Digging forces	Max. digging height	mm	9728
	Max. dumping clearance	mm	6885
	Max. digging depth	mm	6611
	Max. vertical wall digging depth	mm	6030
	Max. digging reach	mm	9938
	Tail swing radius	mm	2870
	Max. bucket digging force	kN	134
	Max. arm crowding force	kN	97
Under- carriage	Track length	mm	4445
	Track ground length	mm	3640
	Track gauge	mm	2380
	Track overall width	mm	2980
	Travel speed(High/Low)	km/h	5.3/3.2
	Max. pulling force	kN	183
Swing speed	Ground pressure	MPa	41.83
	Max. grade ability	°	35
		rpm	13.5
Hydraulic system	Max. oil flow	L/min	210x2
	Hydraulic system pressure	MPa	32
	Hydraulic oil tank	L	220

Option:1.Fall object protection system 2.High capacity generator and reserved circuit  
3.Breaker circuit 4.Rock bucket



Please enquiring