

XCG88-8

FULLY HYDRAULIC EXCAVATOR

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



▲ HYDRAULIC EXCAVATOR

- » Rated bucket capacity: 0.32m³
- » Operating weigh: 8800kg
- » Rated output: 81.6Hp



Engine:

- ☆ The original Cummins B3.3 engine with unique design, it has 40% less parts and components comparing with other similar engine of this category so the failure rate greatly reduced;
- ☆ The daily maintenance is easy because no need of any special tools;
- ☆ The engine is lighter, Euro II emission meets the environmental protection requirements, and yet powerful;
- ☆ The unique radiation system enable an uniform cooling distribution. Even in hot summer condition it can maintain normal engine working temperature;
- ☆ It adopts the direct-fuel-injection system, forced lubricating with full-flow oil filtration and the multistage dry air filter;
- ☆ The automatic dust discharge valve and air filter jam indicator, make maintenance simpler and extend air filter service time.



Hydraulic part: Comprehensive promotion

— (comparing with original Series 7)

Hydraulic system:

- ☆ The hydraulic components (pump, valve, motor, pilot valves etc) are world well know brands;
- ☆ The patented Japanese IB system with perfect combination of release circuit and load sensing, reduce the flow loss of the pressure compensation at the oil inlet, so to eliminate heat generating and increase the system efficiency; at the same time it makes the composite movements more gentle so to improve operation performance of the excavator, reduce the labor intensity of the operator;
- ☆ The composite pressure comparing compensation system makes all movements more smooth; and increase machine lifetime;
- ☆ The main and secondary oil circuits realizes the flow regeneration based on the single-pump large flow, to further improve the moving speed of swing boom and arm, so the operation efficiency is doubled with obvious energy saving;
- ☆ The optimized design of the composite movement, and simplified structure has changed the traditional high-pressure signal feedback, first time adopts the low pressure and automatic power compensation function, which make the whole performance stable and effective, the priority function is easy to achieve, the operation and maintenance is simplified greatly;
- ☆ Japanese Toshiba swing motor has compact structure, large swing torque, rapid swing speed, reliable operation with smooth brake.



Compact structure and small swing radius:

- ☆ The swing radius is smaller than other models of the same kind, which can ensure higher working efficiency even in the restricted working area.



Easy maintenance:

- ☆ All the maintenance points are easily accessible by just opening the machine hoods.





Comfort:

- ☆ The operator cabin is ergonomics designed, with spacious inner space, wide vision and attractive appearance. It is equipped with high-back air suspension seat, the height, leg room, and back angle can be adjusted individually to suite different operators for the most comfortable working posture to reduce the fatigue;
- ☆ The cab also equipped with heater and air conditioner so to offer a comfortable operation environment all year round.



Locking handle make the machine safer:

- ☆ When the locking handle is set at the position "Lock", all the operations including travel, bulldozer, working device and swing will be locked.

Electrical monitor and check function in one penal:

- ☆ The instrument penal 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.

Highly integrated electrical- control units:

- ☆ All the parts of the electrical system are integrated in one controller, which makes the outer line simple and easy to be checked and maintained.

Advanced manufacture technology:

- ☆ All connecting surfaces of bucket arm and boom have been treated with wear-resistance coatings so to greatly increase the wear-resisting property.



• The brand-new
 • Highly efficiency
 • Environmental protection

High power, low fuel consumption, and environment friendly. — High power output, super-low fuel consumption, low-cost operation, super-low noise, Cummins 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;
Safe, comfort, high efficiency — CE certification, consistency and reliability in quality, safe and comfort in operation environment; unique IB sensor system for increased working efficiency;
Multi function — to be fitted with variable attachments and tools for multi-function works, one machine serves multiple purposes.

General Specifications

Type		XCG88-8		
Rated bucket capacity	m ³	0.32		
Operating weight	kg	8800		
Dimension (In transportation)	Overall length	mm	6410	
	Overall width	mm	2350	
	Overall height	mm	2590	
Min. ground clearance	mm	400		
	Track shoe width	mm	450	
Mode		CUMMINS B3.3-C		
Engine	Rated output	Hp(kW)	81.6(60)	
	Rated speed	rpm	2200	
	Displacement	L	3.3	
	Fuel tank	L	122	
Working ranges & Digging forces	Max. digging height	mm	7240	
	Max. dumping clearance	mm	5090	
	Max. digging depth	mm	4240	
	Max. vertical wall digging depth	mm	3405	
	Max. digging reach	mm	6680	
	Tail swing radius	mm	1860	
	Max. bucket digging force	kN	59.3	
Under-	Max. arm crowding force	kN	48	
	Track length	mm	2850	
	Track ground length	mm	2000	
	Track gauge	mm	2260	
Max. pulling force	kN	72		
	Ground pressure	MPa	36.9	
	Max. grade ability		35	
Swing speed	rpm	12		
Blade	Overall width of blade	mm	2350	
	Max. blade raise	mm	350	
	Max. blade lower	mm	400	
Hydraulic system	Max. oil flow	L/min	198	
	Hydraulic system pressure	MPa	28	
	Hydraulic oil tank	L	75	



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

Please enquiring