

YC210 | YC215 Technical Specification

Basic parameters

Machine weight	22000 kg 22300 kg
Bucket capacity	1.0 m ³
Width of bucket	1285 mm

Performance parameters

Engine model	Yuchai YCA05
Emission Standard	Euro V
Engine power	129 kW / 2200 rpm
Max. Gradeability	35 °
Max. digging force of arm	98.6 kN
Max. digging force of bucket	141.5 kN
Traveling speed	3/5 km/h
Max. hauling force	201 kN
Slewing speed of platform	10~13 rpm

Operating parameters

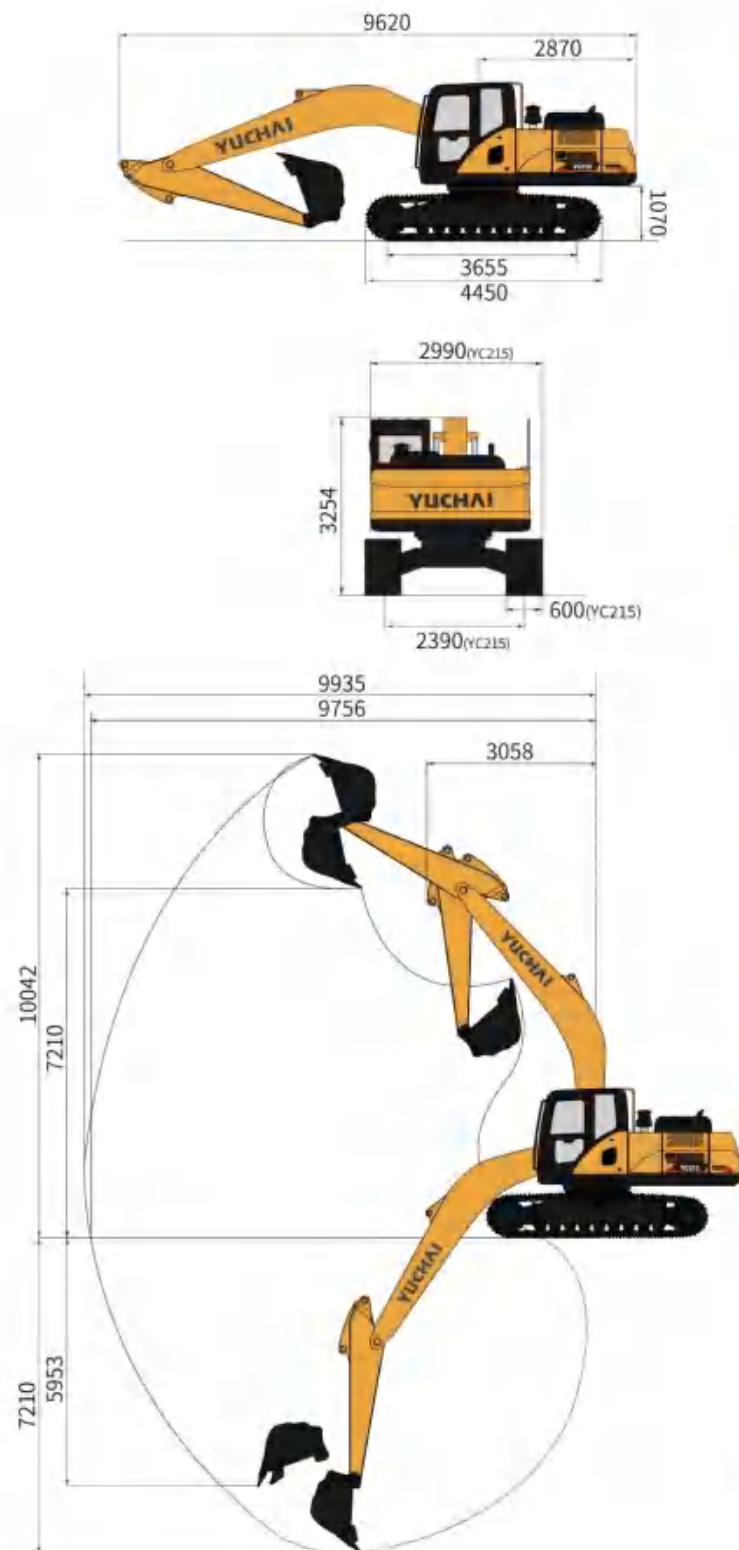
Max. digging height	10042 mm
Max. digging depth	7210 mm
Max. digging radius	9935 mm
Max. digging radius on ground level	9756 mm
Max. dumping height	7210 mm
Min. slewing radius	3058 mm
Max. vertical digging depth	5953 mm

Transportation dimensions

Overall length	9620 mm
Overall width	2540 mm 2990 mm
Overall height	3254 mm

Other Parameters

Width of undercarriage	2540mm 2990 mm
Length of track	4550 mm
Width of track	500mm 600 mm
Minimum ground clearance	485 mm
Height between platform and ground	1070 mm
Platform tail turning radius	2870 mm
Length to center of rollers	3655 mm
Fuel tank capacity	370 L 430 L
Hydraulic oil tank capacity	195 L 200 L
Track gauge	2040 mm 2390 mm
Working Pressure	35.2 Mpa
Flow rate	217×2+19.5 L/Min
AUX 1 Pressure/Flow rate	25 Mpa/217 L/Min
AUX 2 Pressure/Flow rate	25 Mpa/217 L/Min
Arm length (standard/longer)	3748 mm
Boom length	5700 mm



Specifications are subject to change without prior notice.

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CE EAC EXCAVATOR

Machine weight : 22300 kg | Engine model : Yuchai YCA05

Bucket capacity: 1 m³ | Engine power : 129kW/2200rpm

Overall dimensions (L x W x H): 9620mm x 2990mm x 3254 mm

YC215

Yuchai YC210/YC215 – Pioneering Medium Construction Solutions

Yuchai, a professional manufacturer of construction equipment with rich experience, presents the all-new Yuchai **YC210** and **YC215** medium hydraulic excavator. multi-functional performance for diverse jobsites. These powerhouse excavators delivers exceptional capabilities that surpass expectations – whether you're new to Yuchai or a longtime partner – redefining operational excellence on every jobsite.



YUCHAI

Yuchai YC215 -EXCAVATOR

▶ All-new Yuchai **YC210** and **YC215** medium hydraulic excavator. Equipped with Yuchai's patented intelligent control system and exclusive Yuchai power, these excavators achieve perfect matching, delivering low fuel consumption and high efficiency. The newly configured cab provides a comfortable operating experience, redefining operational excellence in various working conditions.

Superior Performance:

- ▶ Equipped with the largest fuel tank capacity in its class, its endurance meets the continuous operation demand of **3** shifts, reducing refueling frequency and significantly improving overall construction efficiency.
- ▶ The working device is made of high-quality cast steel components. Compared with ordinary welded parts, it features higher structural strength, stronger wear resistance, a **3**-fold extended service life, and reliability far exceeding industry standards.

Advanced Hydraulic System:

- ▶ Equipped with internationally renowned next-generation electronic control hydraulic pumps.
- ▶ The negative flow hydraulic system, with famous brands hydraulic pumps, hydraulic multi-way valves and swing reducers and travel reducers, ensures high performance.
- ▶ The system is re-optimized for an excellent operating experience.

Yuchai's core system matching capability enables reasonable and accurate flow distribution, smooth and coordinated movements, and easy realization of precise operations.

Perfectly Matched Power & Intelligent Control:

- ▶ Engineered to meet the demands of diverse construction scenarios.
 - ▶ The Yuchai **YCA05** engine is specifically developed for Yuchai excavator systems, achieving seamless matching.
 - ▶ With a powerful torque reserve of **625 Nm/1500 rpm**, low fuel consumption, and quick response, it easily handles various working conditions.
 - ▶ Adopting the **BOSCH** common rail system integrated with **DCU** after-treatment control, it ensures stability and reliability.
 - ▶ The dual balance shaft vibration reduction technology minimizes vibration and noise.
- Yuchai's sixth-generation golden power has won industry gold awards for consecutive years.



YCA05



- ▶ The hydraulic system is equipped with **dual-pump confluence** and flow regeneration functions, which are automatically and perfectly implemented according to operational needs. This increases operational efficiency by **30%**, reduces energy consumption, minimizes system heating, and extends the service life of hydraulic components.

1 Optional-equipped with a hydraulic quick coupler, it allows one-click switching of attachments such as breakers, grapples, buckets, and hydraulic shears in the cab without manual pin disassembly, bringing multiple core values to construction scenarios.

2 Boasts the maximum digging force among models in the same class, easily overcoming various complex working conditions and completing operational tasks efficiently.

Outstanding Hydraulic Design

- | Standard arm delivers **98.6 kN** of digging force.
- | Operating pressure of **35.2 Mpa** with max.
- | Flow rate of **235 L/min**.
- | Key specs: **1.0 m³** bucket.
- | **10~13 rpm** swing.
- | **141.5 kN** bucket force.

Distributor



Pump



Traveling motor



Slewing motor



Premium Cab

Where safety meets comfort

Industry-leading ergonomic design for excavators

► The cab, equipped with a Tip-Over Protective Structure (**TOPS**) and Falling Object Protective Structure (**FOPS**), along with additional features such as a radio, an elastic fabric seat with a high backrest and headrest, a heater, and safety elements including seat belts and a safety hammer, offers multifaceted advantages, providing the operator with both comfort and safety.

- The handles and switches are reasonably arranged for natural and comfortable operation, effectively reducing fatigue. The famous brand seat in the industry adopts suspension shock absorption, with adjustable shock absorption damping according to body weight, and can be reclined more than 135°. Both the seat and the control box can be adjusted independently to adapt to different body types or sitting postures.
- The 7-inch full-color large screen display is upgraded with higher resolution;
- Newly designed cab provides generous legroom;
- **CAN BUS**-integrated control panel with centralized interface simplifies operation;
- Intelligent Power Module (**IPM**) with automated fault diagnostics;
- Rear camera enhances operational safety.



► Wide and comfortable foot space

► Wide space



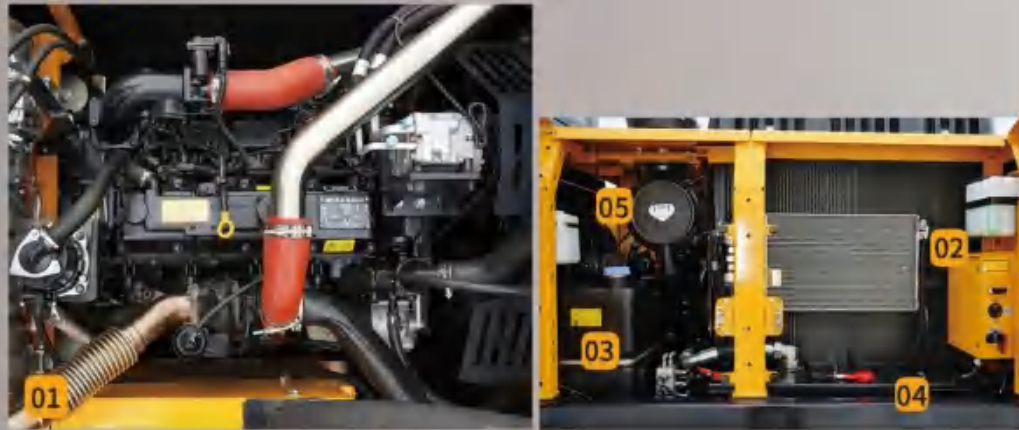
► Spacious and comfortable cabin

Simple and Convenient Maintenance

► Fully considering maintenance details, each maintenance part is designed in line with ergonomic requirements, making use and maintenance more convenient and effortless. The filter element is externally designed for easy replacement. The boom lubrication points are centrally arranged for convenient lubricating oil filling. Yuchai's gold medal service system ensures convenient maintenance and low costs.

Optimal Maintenance Points

► The YC215 excavator's centralized maintenance points enable quick and efficient maintenance, maximizing uptime and minimizing maintenance costs.



04 Boom and Arm Holding Valves

► Even in the event of accidental hydraulic line failure, these valves prevent uncontrolled descent of the boom /arm, providing critical fail-safe protection for the machine.

► The YC215 excavator features an Intelligent Power Module (IPM) with automatic fault diagnosis and alert capabilities.



Intelligent Power Module (IPM)



02 coolant&relay



03 DEF Tank Assembly



04 Battery



05 Air filter



07 Fuel filter



11 Arm holding valve



10 Boom holding valve



09 grease lubrication point



High Cost-Performance

► The YC210 and YC215 hydraulic excavator delivers exceptional cost-performance. With its robust structure, powerful engine, advanced hydraulic system, and versatile capabilities, it maximizes your return on investment. Its efficient and reliable performance enables you to complete construction and excavation projects with the lowest operating costs and highest productivity. More than just a purchase, the YC210 and YC215 is a long-term investment in your operational efficiency and profitability.

Equipment

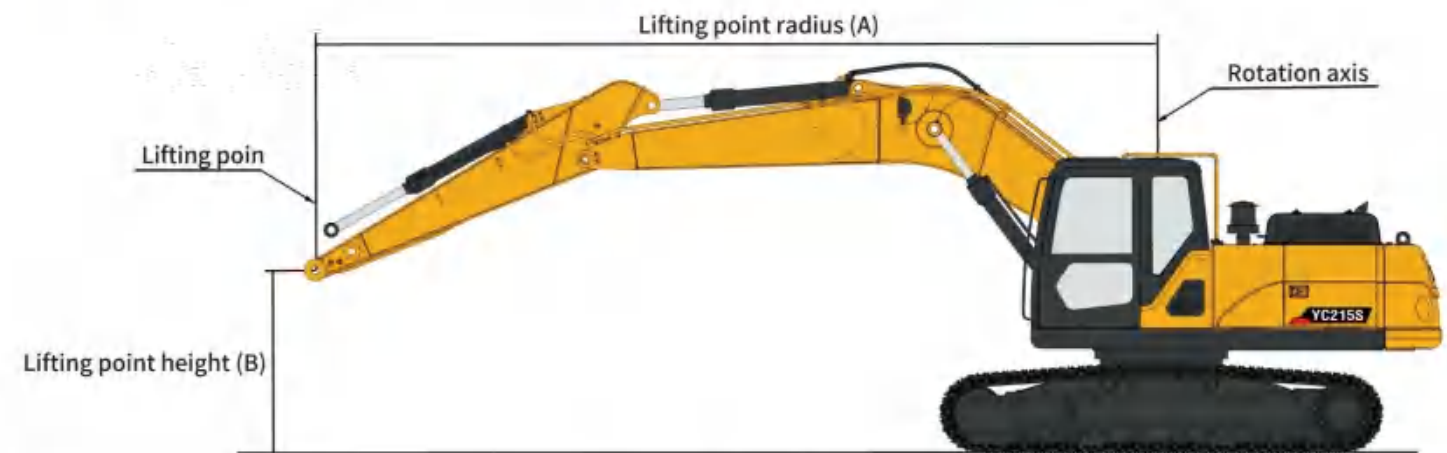
- ▶ Standards and requirements for special equipment vary by country.
- ▶ For more details on equipment options, please feel free to contact us.

Component Part	Description	Standard	Optional
Cabin	LCD instrument	•	
	AM/FM-Radio with Bluetooth	•	
	Cup holder	•	
	High-back suspension seat	•	
	Fabric air suspension seats		•
	Air conditioning	•	
	FOPS	•	
	ROPS	•	
	Front windshield wipers	•	
	Rearview mirrors	•	
	Rear camera	•	
	Cigarette lighter	•	
Working device	Hydraulic quick connector		•
	Tilting coupler		•
	Tiltrotator		•
	600 mm bucket		•
	0.8 m ³ Reinforced bucket		•
	1000 mm bucket		•
	1285 mm bucket	•	
	1600 mm bucket		•
	2000 mm trench bucket		•
	1400 mm screening bucket		•
	2000 mm tilting bucket		•
	2250 mm standard arm	•	
	2650 mm longer arm		•
	Hammer lines	•	
	Hydraulic hammer		•
	Auger		•
	Thumb		•
	Boom holding valve	•	
	Arm holding valve	•	
Tracks	600 mm steel track	•	
	800 mm steel track		•
Hydraulic system	Traveling alarm		•
	Left & right proportional joysticks	•	
	Negative Flow Control (System)	•	
	ISO/SAE switch		•
	AUX1	•	
	AUX2	•	
	AUX1 Adjustable pressure	•	
	AUX1 & AUX2 Adjustable flow	•	
	Hydraulic quick coupler pipes	•	
	Hydraulic quick coupler	•	
Lighting	2 LED work lights at the front	•	
	Rear LED work light	•	
	1 boom LED work light	•	
Others	Electric fuel pump	•	
	Automatic lubricating system	•	



Standard Arm's Digging Force: 98.6 kN (market-leading performance)

- ▶ **Dual-arm versatility:** Standard/extended arm can meet the needs of different working conditions.
- ▶ **Key specs:** 1 m³ bucket | 10~13 rpm swing | 141.5 kN bucket digging force.
- ▶ **Robust construction:** The heavy-duty machine structure, engineered for China's demanding applications, handles North American and European job sites with ease.



YC215 Lifting Capacity Form(Unit=kg)															
Radius	2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		Maximum Arm Reach Lifting Capacity
Height (m)															
6.0 m	—	—	—	—	—	—	—	—	*4050	*4050	*3880	*3880	—	—	*2890
5.0 m	—	—	—	—	—	—	*4520	*4520	*4300	*4300	*4200	4320	—	—	*2860
4.0 m	—	—	*7690	*7690	*6030	*6030	*5190	*5190	*4710	*4710	*4420	4260	*3410	3500	*2880
3.0 m	—	—	—	—	*7410	*7410	*5980	*5980	*5190	5180	*4710	4180	*4420	3460	*2950
2.0 m	—	—	—	—	*8670	8770	*6740	6450	*5670	5040	*5020	4100	*4600	3410	*3070
1.0 m	—	—	—	—	*9530	8520	*7360	6280	*6100	4930	*5300	4020	4910	3370	*3260
0 m	—	—	*5630	*5630	*9940	8390	*7770	6160	*6410	4850	5880	3970	4870	3340	*3530
-1.0 m	*5210	*5210	*7870	*7870	*10010	8340	*7940	6110	*6560	4800	5840	3940	—	—	*3920
-2.0 m	*7700	*7700	*10580	*10580	*9790	8350	*7860	6100	*6510	4790	5840	3940	—	—	*4530
-3.0 m	*10430	*10430	*11770	*11770	*9260	8410	*7510	6130	*6200	4820	—	—	—	—	*5260
-4.0 m	*13820	*13820	*10450	*10450	*8320	8520	*6740	6220	—	—	—	—	—	—	*5410

Notices

- 1.The lifting capacity calculation is based on ISO10560 and SAEJ1097 standards; the limit coefficient of hydraulic system is 0.87, and the tipping limit coefficient is 0.75.
- 2.The number marked with * means that it was restricted by the hydraulic system, and the number marked without * means that it was restricted by the stability.
- 3.The lifting point is the front support hole of the stick. It is not included the weight of the bucket and bucket cylinder. If additional accessories (such as bucket, cylinder, etc.) are added, it shall be deducted from the above lifting weight.