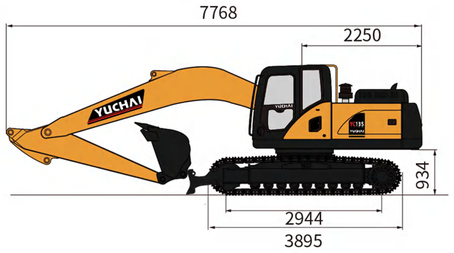

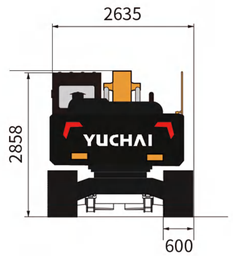

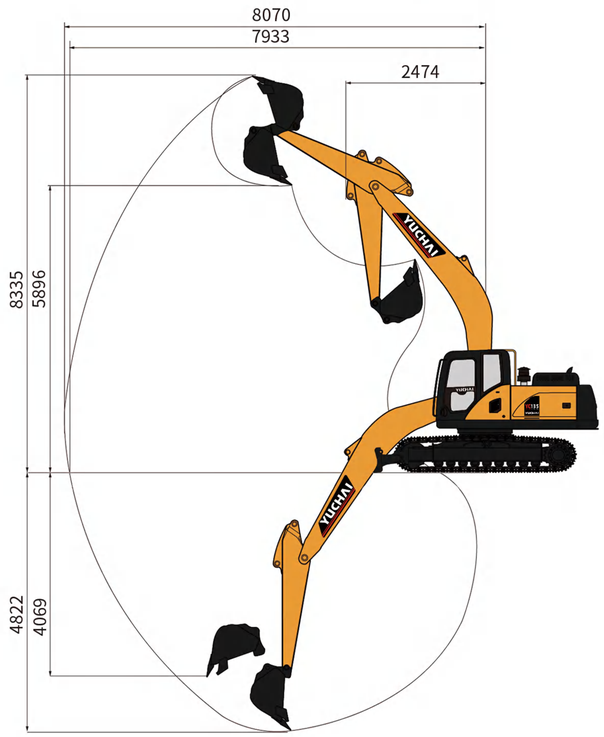

YC135 Technical Specification

Basic parameters	
Machine weight	14580 kg (with dozer blade)
Bucket capacity	0.52 m^3
Width of bucket	1034 mm
Performance parameters	
Engine model	Yuchai YCF36
Emission Standard	Euro V
Engine power	90kW/2200rpm
Max. Gradeability	35 °
Max. digging force of arm	75.8 kN
Max. digging force of bucket	106 kN
Traveling speed	3.1/5.0 km/h
Max. hauling force	121 kN
Slewing speed of platform	10~13 rpm
Operating parameters	
Max. digging height	8335 mm
Max. digging depth	4822 mm
Max. digging radius	8070 mm
Max. digging radius on ground level	7933 mm
Max. dumping height	5896 mm
Min. slewing radius	2474 mm
Max. vertical digging depth	4069 mm
Transportation dimension	
Overall length	7768 mm
Overall width	2635 mm
Overall height	2858 mm
Other Parameters	
Width of undercarriage	2600 mm
Length of track	3689 mm
Width of track	600 mm
Minimum ground clearance	442 mm
Height between platform and ground	934 mm
Platform tail turning radius	2273 mm
Length to center of rollers	2000 mm
Fuel tank capacity	270 L
Hydraulic oil tank capacity	105 L
Track gauge	2944 mm
Working Pressure	34.3 Mpa
Flow rate	235 L/Min
AUX1 Pressure/ Flow rate	34.3 Mpa / 117 L/Min
Arm length（standard/longer）	2250 mm
Boom length	4600 mm
Maximum Bulldozer Lift	473 mm

Specifications are subject to change without prior notice .

GUANGXI YUCHAI EQUIPMENT TECHNOLOGY CO. , LTD.
Address: Yuchai Engineering Machinery Industry Center, Luchuan, Guangxi,China
Email: dig@yuchai.com,ychi-export@yuchai.com | Website: www.yuchaicm.com
Tel: +86-775-3223503 | Fax: +86-775-3223503

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YUCHAI EQUIPMENT

EXCAVATOR

Machine weight : 14580 kg(with dozer blade) | Engine model : Yuchai YCF36
Bucket capacity: 0.52 m^3 | Engine power : 90kW/2200rpm
Overall dimensions (L x W x H): 7768mm x 2635mm x 2858 mm

YC135

YC 135

The most comprehensive product range for medium and mini. excavators in China.

- Yuchai, the creator of China's first mini excavator (Model WY4, 1989) and a professional manufacturer of construction machinery, presents its highly durable YC135 excavator.
- YC135, a classic model of Yuchai, has now been upgraded to its 10th generation, delivering outstanding operational comfort and reliability.

YUCHAI

YC 135-EXCAVATOR

As a flagship model from Yuchai, the **YC135** Excavator delivers outstanding stability and comprehensive performance in its class. Built with a customized power system and advanced technologies like dual-pump confluence and flow regeneration, it ensures high efficiency in heavy-duty tasks such as rock excavation and crushing, while enabling flow recycling during light-load operations for fuel savings. Ideal for long-duration continuous construction, it combines productivity with economy to conquer all working conditions.

Equipped with a specially customized engine for the **YC135** by Yuchai, **with Euro V emission**, accurately meeting the market access requirements of different countries and regions.

Adopts a urea-free design, greatly simplifying daily operation and maintenance processes, and ensuring more convenient use.

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.

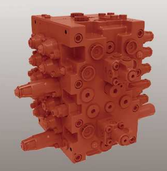
Equipped with the **YCXJ** Engine Response Control System, it achieves rapid power response while ensuring stable speed output, delivering excellent operational efficiency and stability.

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.

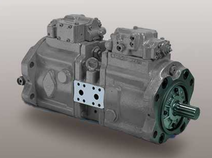
1 Optional hydraulic quick coupler, it allows one-click switching of attachments such as breakers, grapples, buckets, and hydraulic shears in the cab without manual pin disassembly, bringing multiple core values to construction scenarios.

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

Distributor



Pump



Traveling motor

Slewing motor

Outstanding Hydraulic Design

| Standard arm delivers **75.8 kN** kN of digging force.
| Operating pressure of **34.3** Mpa with max.
| Flow rate of **235** L/min.
| Key specs: **0.52** m^3 bucket.
| **10~13** rpm swing .
| **106** kN bucket force.

Premium Cab

Where safety meets comfort

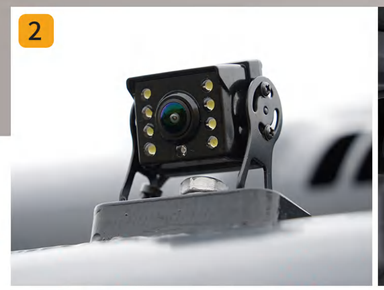
The cab is **ROPS** certified, which can effectively protect the operator in case of emergency.

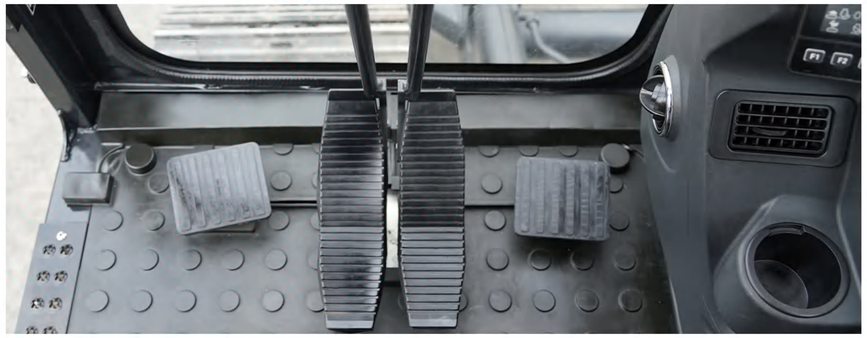
1 The all-new cab adopts automotive-grade integrated molding technology, achieving dual upgrades in texture and strength. Its large size and spacious interior ensure greater comfort during long-term operation. The interior is professionally designed with ergonomics. The reasonable layout of levers and switches ensures natural and comfortable operation, effectively reducing fatigue.

- Standard-equipped with one-key start, enabling convenient operation and stable start-stop, enhancing the driving experience.
- The seat and control box positions can be independently adjusted to adapt to operators of different body types or sitting postures.

2 A rearview camera transmits real-time rear images to the high-definition display in the cab, providing comprehensive protection for construction in terms of safety, efficiency, and equipment protection.

- A 7-inch color LED display clearly shows the machine status in real-time.





Rational Operation Layout

7-inch color LED display

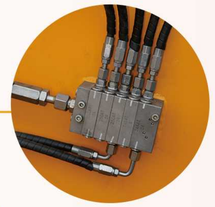
Spacious and comfortable cabin

Simple and Convenient Maintenance

- The left and right side doors are improved to side-opening type, providing a larger opening space for more convenient maintenance operations.
- All filters are externally mounted, making replacement easily accessible.
- Adopts a central distribution box with integrated installation of fuses and relays, ensuring convenient maintenance and high reliability.
- Equipped with a central lubrication system, an intelligent maintenance solution replacing the traditional manual single-point lubrication. It achieves precise lubrication, extends component service life, and provides multiple guarantees for stable equipment operation, cost reduction, and efficiency improvement.
- The cloth-reinforced rubber hoses in the return oil circuit are upgraded to crimped rubber hoses, eliminating hose clamps, preventing leakage and freezing cracking, and improving durability.

- The engine throttle is directly controlled by a computer, eliminating the throttle motor and reducing fault points.

09 Arm Holding valve



10 Grease Distributor

11 Boom Holding Valve

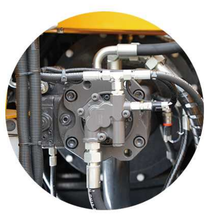
01 Coolant

02 DEF Tank Assembly

03 Air filter

04 Electrical Control Cabinet

05 Hydraulic Oil Guage



06 Hydraulic Main Pump

07 Pre-filter

08 Main Fuel Filter

Equipment

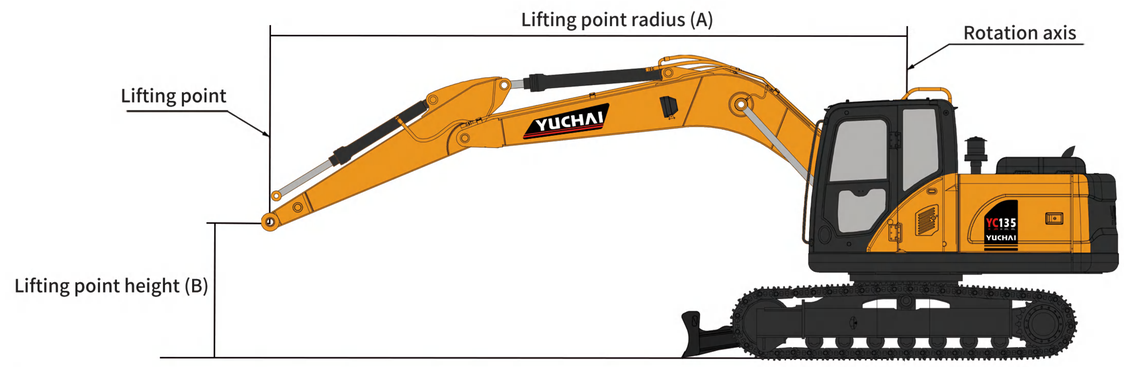
- Standards and requirements for special equipment vary by country.
- For more details on equipment options, please feel free to contact us.

Component Part	Description	Standard	Optional
Cabin	LCD instrument	•	
	AM/FM-Radio with Bluetooth	•	
	Cup holder	•	
	Fabric mechanical suspension seats	•	
	Fabric air suspension seats		•
	Air conditioning	•	
	FOPS		•
	ROPS	•	
	Front windshield wipers	•	
	Rearview mirrors	•	
	Rear camera	•	
	Cigarette lighter	•	
Working device	Hydraulic quick connnector		•
	Tilting coupler		•
	Tiltrotator		•
	600 mm bucket		•
	1034 mm bucket	•	
	1200 mm bucket		•
	1600 mm bucket		•
	2250 mm standard arm	•	
	2650 mm longer arm		•
	Hammer lines	•	
	Hydraulic hammer		•
	Auger		•
	Thumb		•
	Boom holding valve	•	
	Arm holdding valve	•	
Tracks	500 mm steel track		•
	600 mm steel track	•	
	600 mm rubber track		•
	700 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	•	

YC135 Max. digging radius-8070 mm (without quick coupler)

Standard Arm's Digging Force: 75.8 kN (market-leading performance)

- **Dual-arm versatility:** Standard/extended arm can meet the needs of different working conditions.
- **Key specs:** 0.52 m^3 bucket | 10~13 rpm swing | 106 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.



YC135 Lifting Capacity Form(Unit=kg)												
Radius	2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		Maximum Arm Reach Lifting Capacity	
Height (m)												
6.0 m	—	—	—	—	—	—	*3180	*3180	—	—	*3110	*3110
5.0 m	—	—	—	—	—	—	*3250	*3250	—	—	*2920	2830
4.0 m	—	—	—	—	*3730	*3730	*3430	3500	*3270	2690	*2850	2480
3.0 m	—	—	*5600	*5600	*4360	*4360	*2620	3420	*3400	2650	*2870	2290
2.0 m	—	—	—	—	*5060	4510	*4120	3330	3660	2610	3050	2190
1.0 m	—	—	—	—	*5600	4360	4690	3250	3610	2560	3020	2170
0 m	—	—	*5130	*5130	*5850	4270	4620	3190	3570	2530	3090	2210
-1.0 m	*2580	*3690	*7340	6380	*5810	4230	4580	3160	3550	2510	3290	2340
-2.0m	*6410	*6410	*7040	6410	*5470	4240	4590	3160	—	—	3680	2600
-3.0m	*7830	*7830	*6040	*6040	*4740	4280	*3590	3210	—	—	*3420	3120

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 without * mark 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.