YUCHAI

YUCHAI
MINING EXCAVATORS
PRODUCT PROFILE

☑ YC390 ☑ YC550

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Specifications are subject to change without prior notice

CE EAC ISO9001

37+

37 years professional experience in compact construction machinery

YUCHAI

COMPANY PROFILE

Guangxi Yuchai Equipment Technology Co., Ltd.(hereinafter referred to as "Yuchai Equipment"),founded in 1989, is a wholly-owned subsidiary of Guangxi Yuchai Machinery Group Co., Ltd., a state-owned enterprise. It has been honored with the titles of"National High-tech Enterprise" and "National Torch Program Key High-tech Enterprise".

Yuchai Equipment Machinery currently has an annual production capacity of over 10,000 sets and operates two production bases in Yulin and Chang zhou.Specializing in engineering and piling machinery, its products mainly include hydraulic excavators, rotary drilling rigs, and forestry and bamboo harvesting machinery. The hydraulic excavators range from 0.8 to 50 tons, Yuchai Heavy Machinery is renowned for its compact structure, reliable quality, high efficiency, and energy-saving features. its products meet international standards with over 300 national patents and certifications including CE certification and CU-TR certification. Yuchai Equipment Machinery has established a comprehensive sales and service system covering over 100countries. Yuchai Equipment Machinery is dedicated to creating value for customers and providing proactive tracking services that are "fast, accurate, and excellent".

It has been honored with various awards including "Top Ten Brands in National (Industry) Customer Satisfaction", "Top Ten Influential Brands in China's Engineering Machinery Industry", "Most Influential Brand in China's Engineering Machinery Industry", and "TOP50 Market Performance Gold Award for China's Engineering Machinery Annual Products".

Core Value: Survive as a driver to customers' success.

100+
Yuchai excavator has been sold to more than 100 countries

37+
37 years professional experience in compact construction machinery

5.635
Registered capital CNY 563.5 Million

500,000
Plant area(m^3)

250,000+
Total global sales (Units)

The main products include:

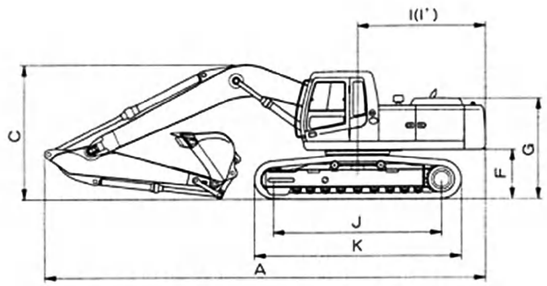
1. Hydraulic excavators and rotary drilling rig series products.
2. Excavator attachments: such as hydraulic breakers, quick couplers, and other excavator front-end attachments.
3. Forestry equipment: harvester heads, skidders, and wood grapples.
4. Specialized machinery: such as electric excavators, amphibious excavators, remote-controlled excavators, railway excavators, photovoltaic drilling rigs, car dismantling machines, electric skid steer loaders, electric wheel loaders, demolition robots, and others.

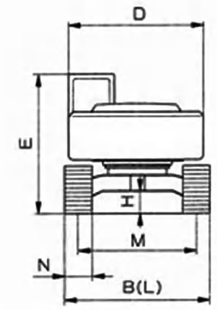
YUCHAI
YUCHAI EQUIPMENT

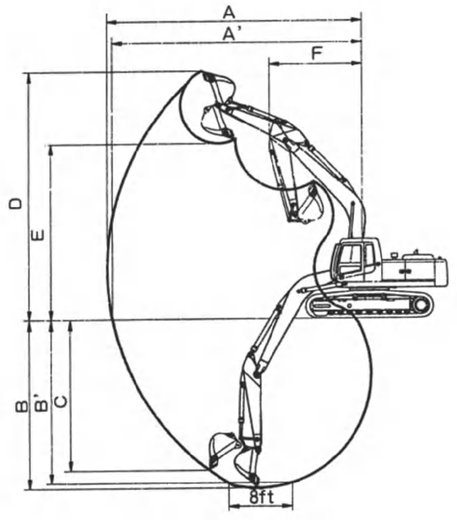
YC390

Machine Weight:	38700 kg
Bucket capacity:	1.8 m^3
Engine power:	232/1900 kW/rpm

- Structural Reliability
- Excellent Performance
- Fuel saving and high efficiency
- Brand new large cabin
- Comfortable driving experience
- Convenient maintenance







Technical Specification

Basic parameter		
Operating Weight	38700	Kg
Bucket capacity	1.8	m^3
Engine	Cummins	
Engine power	232/1900	KW/rpm
Max.Traction Force	288	KN
Travel Speed (High/Low)	5.5/3.3	km/h
Slewing Speed	8.8	r/min
Gradeability	35 (70%)	°
Ground Pressure	59.7	Kpa
Fuel Tank	650	L
Hydraulic Tank	345	L
Dimensions		
A Overall Length	11280	mm
B Overall Width	3480	mm
C Overall Height	3560	mm
D Upper Width	3155	mm
E Cab Height	3172	mm
F Counterweight Ground Clearance	1183	mm
G Engine Height	2628	mm
H Minimum Ground Clearance (H)	471	mm
I Rear Length	3451	mm
I' Rear Swing Radius	3505	mm
J Track Gauge	4050	mm
K Track Length(K)	4962	mm
L Wheel base oftrack shoe	3480	mm
M Track Gauge	2680	mm
N Track Shoe Width	800	mm
A Max. Digging Reach	10546	mm
A' Ground Max. Digging Distance	10349	mm
B Max. Digging Depth	5884	mm
B' Max. Effective Digging Depth	5707	mm
C Max. Vertical Digging Depth	4021	mm
D Max. Digging Height	11110	mm
E Max. Dumping Height	7900	mm
F Minimum Swing Radius	3514	mm
Max. Digging Force(Bucket)	240	KN
Max. Digging Force (Arm)	214	KN

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YC390 Mining Edition

YC390

Mainly used in mines, open-pit coal mines, material yards, and large-scale earthwork construction projects, etc., to meet the requirements of operations such as rock crushing, excavation and loading, square excavation, and transportation.

Spacious and comfortable driving environment:

1.Equipped with a safe and reliable new-type cabin featuring newly injection-molded interior components, offering an attractive and spacious design. It includes fully automatic heating and cooling air conditioning for comfort.
2.Features an 8-inch color intelligent monitoring instrument.
3.The entire machine is designed with anti-skid safety, overheat protection, motion part protection, and cabin protection, ensuring high safety standards.
4.Maintenance components are easily accessible, facilitating convenient upkeep.

Spacious and comfortable driving space:

1.Equipped with a safe and reliable new-type cabin, featuring newly injection-molded interior components, offering an attractive and spacious design. It includes fully automatic heating and cooling air conditioning for comfort.
2.Incorporates a new generation control system that intelligently adjusts according to operating conditions, fully harnessing comprehensive performance.
3.Equipped with a high-resolution, high-brightness 5.7-inch color intelligent instrument panel, providing various functions such as vehicle maintenance information prompts, self-diagnosis of faults, and alarms.

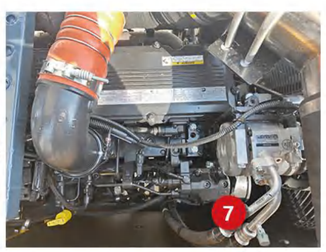
6 Spacious and comfortable driving environment

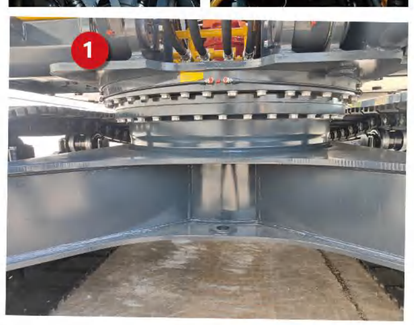
4 Inverting the bucket hydraulic cylinder prolongs its lifespan

5 Extending the boom increases the operational range, making it more efficient.

9 Installing safety nets increases security.

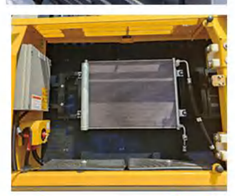
3 huge bucket





800mm track shoes

5.7 inches monitor spacious cabin



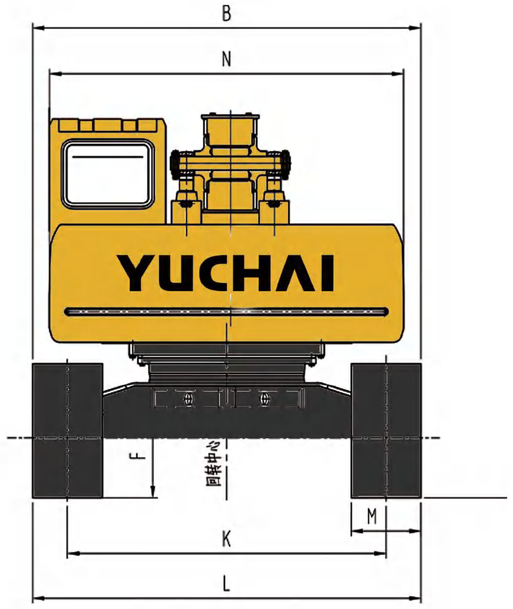
8 easy maintenance

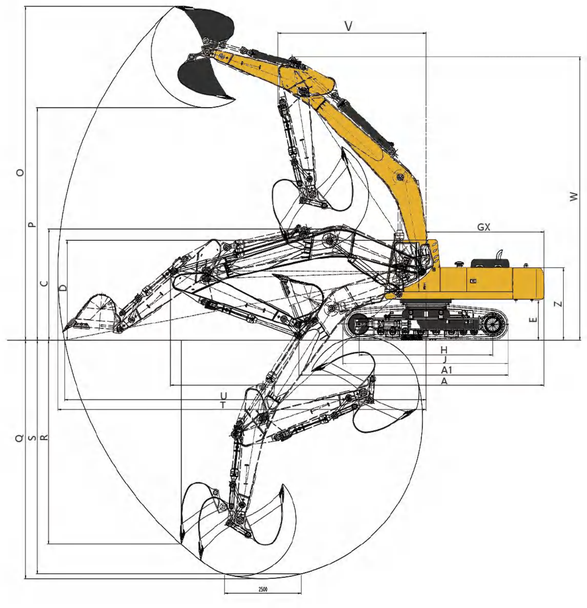
YUCHAI
YUCHAI EQUIPMENT

YC550

Machine Weight:	51000 kg
Bucket capacity:	2.8~3.2 m³
Engine power:	300/1800 kW/rpm

- Structural Reliability
- Excellent Performance
- Fuel saving and high efficiency
- Brand new large cabin
- Comfortable driving experience
- Convenient maintenance





Technical Specification

Basic parameter		
Operating Weight	51000	kg
Standard Bucket Capacity (SAE)	3	m³
Performance Parameters		
Engine	ISUZU	6WG1X
Rated Power	300/1800	kW/rpm
Operating Pressure	34.3	Mpa
Max. Flow Rate	381*2	L/min
Slewing Speed	8.5	r/min
Travel Speed (High/Low)	5.1/2.9	km/h
Max. Digging Force(Bucket)	286	KN
Max. Digging Force (Arm)	293	KN
Gradeability	35	°
Max. Traction Force	412.4	KN
Ground Pressure	85	Kpa
Tank Capacity		
Fuel Tank	700	L
Hydraulic Tank	450	L
Dimensions		
A-Overall Length	11885	mm
B-Overall Width	3490	mm
C-Overall Height	3820	mm
D-Cab Height	3280	mm
E-Height between platform and ground	1300	mm
F-minimum ground clearance	570	mm
G-Rear Swing Radius	3876	mm
H-Wheel base of track shoe	4360	mm
J-Track Length	5388	mm
K-Track Gauge	2740	mm
L-Track Width	3340	mm
M-Track Shoe Width	600	mm
N-Platform width	3315	mm
O-Max. Digging Height	9637	mm
P-Max. Dumping Height	6634	mm
Q-Max. Digging Depth	6435	mm
T-Max. Digging Reach	10517	mm
U-Ground Max. Digging Distance	10281	mm
V-Minimum Swing Radius	4580	mm
W-Maximum height at minimum turning radius	9047	mm
X-Distance from rotation center to rear end	3876	mm
Y-Track tooth thickness	36	mm
Z-Counterweight Ground Clearance	2950	mm
A1-Ground length (during transportation)	7450	mm
Boom Length Standard	2500	mm
Arm Length Standard	6500	mm

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YC550 Mining Edition

Product advantages:

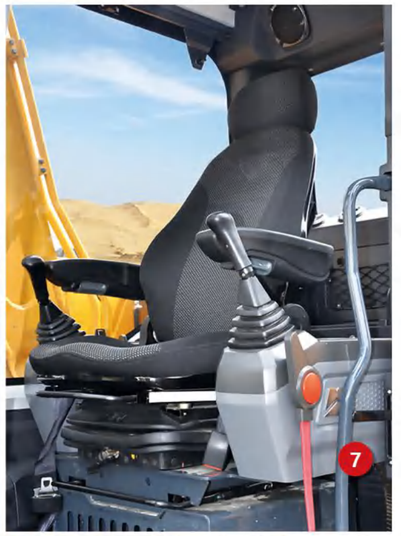
1.Utilizes isuzu engine, providing powerful performance, low fuel consumption, and high efficiency.
2.Features a well-known brand hydraulic system for better coordination and easier operation.
3.Equipped with large-diameter hydraulic cylinders for enhanced digging force.
4.Incorporates a high-displacement rotary motor for improved rotary braking effects.
5. Large fuel tank for extended operating time.
6.Additional LED work lights ensure worry-free operation in all weather conditions.
7.Maintenance components are easily accessible, facilitating convenient upkeep.

YC550 Mainly used in mines, open-pit coal mines, material yards, and large-scale earthwork construction projects, etc., to meet the requirements of operations such as rock crushing, excavation and loading, square excavation, and transportation.

Spacious and comfortable driving space:

1.Equipped with a safe and reliable new-type cabin, featuring newly injection-molded interior components, offering an attractive and spacious design. It includes fully automatic heating and cooling air conditioning for comfort.
2.Incorporates a new generation control system that intelligently adjusts according to operating conditions, fully harnessing comprehensive performance.
3.Equipped with a high-resolution, high-brightness 5.7-inch color intelligent instrument panel, providing various functions such as vehicle maintenance information prompts, self-diagnosis of faults, and alarms.

spacious cabin



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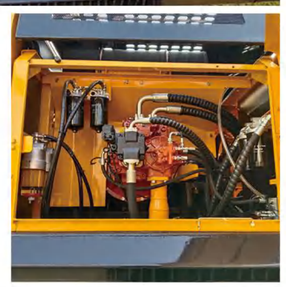
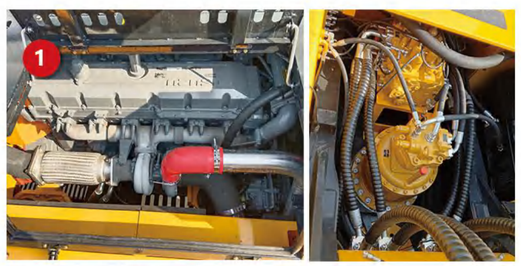


10 easy maintenance

6 Extending the boom increases the operational range, making it more efficient.

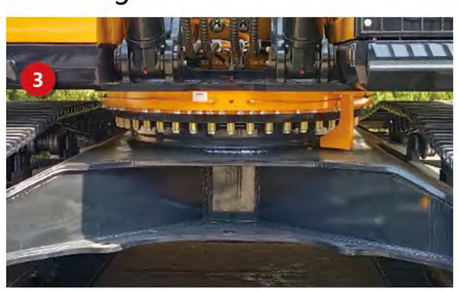
8 Installing safety nets increases security.

5 Inverting the bucket hydraulic cylinder prolongs its lifespan



1

Isuzu engine



3

4 huge bucket

2 800mm track shoes