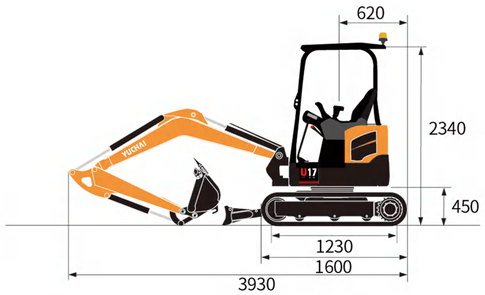

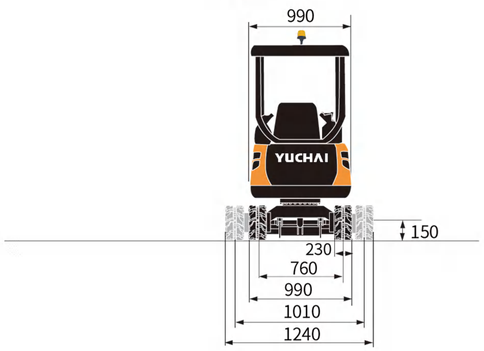

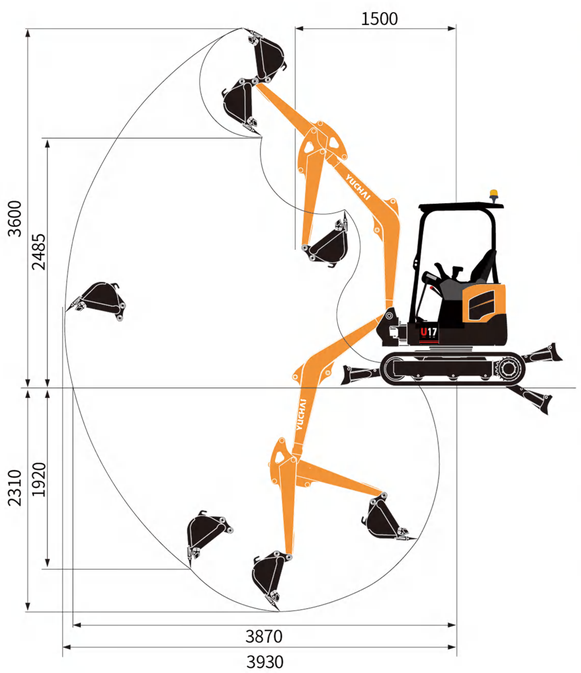

U17 Technical Specification

Basic parameters	
Machine weight	1720 kg
Bucket capacity	0.05 m^3
Width of bucket	450 mm
Performance parameters	
Engine model	Kubota D902
Emission Standard	Euro V /EPA Tier 4F/CN IV
Engine power	11.8kW/2300rpm
Max. Gradeability	30 °
Max. digging force of arm	9.5 kN
Max. digging force of bucket	17.2 kN
Traveling speed	2/4 km/h
Max. hauling force	22 kN
Slewing speed of platform	8.5~10.5rpm
Operating parameters	
Max. digging height	3600 mm
Max. digging depth	2310 mm
Max. digging radius	3930 mm
Max. digging radius on ground level	3870 mm
Max. dumping height	2485 mm
Min. slewing radius	1500 mm
Max. vertical digging depth	1920 mm
Transportation dimensions	
Overall length	3930 mm
Overall width	990 mm
Overall height	2340 mm
Other Parameters	
Width of undercarriage	990mm / 1240mm
Length of track	1600 mm
Width of track	230 mm
Minimum ground clearance	150 mm
Height between platform and ground	450 mm
Platform tail turning radius	620 mm
Length to center of rollers	1230 mm
Fuel tank capacity	16 L
Hydraulic oil tank capacity	16 L
Track gauge	760/1010 mm
Working Pressure	24 Mpa
Flow rate	64.4 L/Min
AUX1 Pressure/ Flow rate	21 Mpa | 18/10 L/Min
AUX2 Pressure/ Flow rate	21 Mpa | 36 L/Min
Arm length	950 mm
Boom length	1828 mm
Steering head angle	60°(L)/55° (R)

*Specifications are subject to change without prior notice .

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Facebook

Machine weight : 1720 kg | Engine model : Kubota D902
Bucket capacity: 0.05 m^3 | Engine power : 11.8 kW / 2300 rpm
Overall dimensions (L x W x H): 3930mm x 990mm x 2340 mm

U17

Yuchai – Pioneering Compact Construction Solutions

- Yuchai, the manufacturer of China's first mini excavator (Model: WY4, 1990) and a professional producer of compact construction equipment, brings you the all-new Yuchai U17 mini excavator.
- This powerhouse mini excavator delivers exceptional capabilities that surpass expectations – whether you're new to Yuchai or a long time partner – redefining operational excellence on every job site.

YUCHAI

Yuchai U17 Mini-Excavator

The machine features a compact zero-tail swing body (Overall width 990mm) suitable for narrow spaces, equipped with a Kubota Euro V and Tier4F engine to meet global environmental standards. Meticulously engineered by Yuchai's hydraulic design team, the load-sensing hydraulic system ensures efficient, reliable, and smooth hydraulic movements even in demanding working conditions, making it ideal for both construction and landscaping applications.

Compact Design, Superior Performance

- The U17 mini excavator is powered by a Japanese-engineered Kubota D902 engine, complying with the strictest Euro V and EPA T4F emission standards.
- Exceptional reliability with superior fuel efficiency.
- Substantial low-speed torque delivery for digging and heavy lifting operations.
- Globally established service network ensuring readily available spare parts.

The U17 is more than a conventional mini excavator—its exceptional productivity will boost your bottom line.

Discover its technical features now and contact us to unlock further advantages.

High-Reliability Structure

Upgraded cast steel steering head boasts a lifespan of 8,000-10,000 hours,three times longer than welded counterparts.

The U17 comes standard with 3 auxiliary hydraulic circuits4 auxiliary hydraulic circuits for option, enabling quick-connect compatibility with a range of attachments such as buckets, hydraulic breakers, augers, and log grapples.

Combined with the electronically proportional joysticks（Optional）, operation becomes exceptionally smooth and effortless.

Intelligent Pilot Hydraulic System

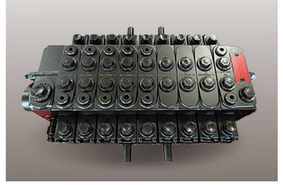
With soft and coordinated composite movements (boom/arm/bucket/travel), precise micro-control down to millimeter level.

Load-sensing technology adjusts power output in real time, reducing fuel consumption compared to similar products.

Outstanding features

- Equipped with a high-torque travel motor and has excellent climbing capability.
- The machine is designed with a forced-air cooling system, which will keep the machine in a low temperature during operation.
- A fully electronic control version can be customized.

Distributor



Pump

Traveling motor

Slewing motor

Outstanding Hydraulic Design

| Operating pressure of 24 Mpa with max.
| Flow rate of 64.4 L/min.
| Key specs: 0.05 m^3 bucket capacity.
| 8.5~10.5 rpm swing .
| 17.2 kN bucket digging force.

Compact Dimensions

- Space-optimized design for operation in confined spaces.
- Transportable via standard light-duty trailers across Europe.

International safety certified canopy
Where safety meets comfort

Ergonomically Engineered Canopy

- Incorporates 37 years of European users' feedback to optimize Seat Index Point (SIP) positioning, delivering superior seating comfort.
- The ergonomically designed bilateral armrests significantly reduce hand fatigue during prolonged operation.

1 Equipped with a Tip-over Protective Structure (TOPS) canopy, it actively creates a safe protective space for the driver when facing tip-over risks.

2 The U17 offers both regular joysticks and proportional joysticks (for Premium model)(optional).

- The proportional joystick is with thumb roller operation, delivering intuitive and precise hydraulic control.
- The option of ISO/SAE modes adapts to global operation habits.

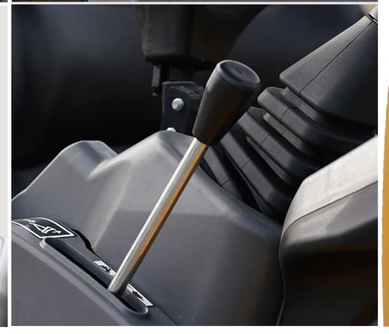
3 **Left and right armrests:** Adjustable armrests with ergonomic design to ensure operator comfort during long hours of operation. .

LCD instrument

Concise user interface

Wide and comfortable foot space

Proportional-Joysticks (Optional)



Accelerator lever

Spacious and comfortable canopy

Simple and Convenient Maintenance

- Opening bonnet design optimum arrangement of internal parts for quick and efficient service and shorter downtime.
- Metal covers are stronger and easier to repair.

High Cost-Performance

- The U17 mini excavator delivers exceptional cost-performance. With its heavy-duty structure, powerful engine, and versatile capabilities, the U17 maximizes your investment return.
- 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 U17 is a long-term investment in your operational efficiency and profitability.

Optimal Maintenance Points

- The U17 mini excavator's centralized maintenance points enable quick and efficient maintenance, maximizing uptime and minimizing maintenance

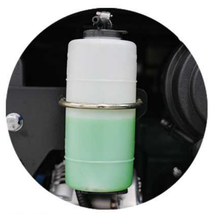
11 Detachable Canopy

- Modular integrated design with only four bolts for fastening — no cutting or welding required during the entire disassembly and assembly process. The cab can be removed and reinstalled in just 7 minutes, improving efficiency by 70%.

01 Oil filter

02 Fuel filter

03 Air filter



04 Coolant

05 Hydraulic Quick Coupler Adapter

06 Centralized lubrication points

07 Radiator

08 Fuel filler port

09 Hydraulic oil gauge

10 Canopy fixing bolts

Equipment

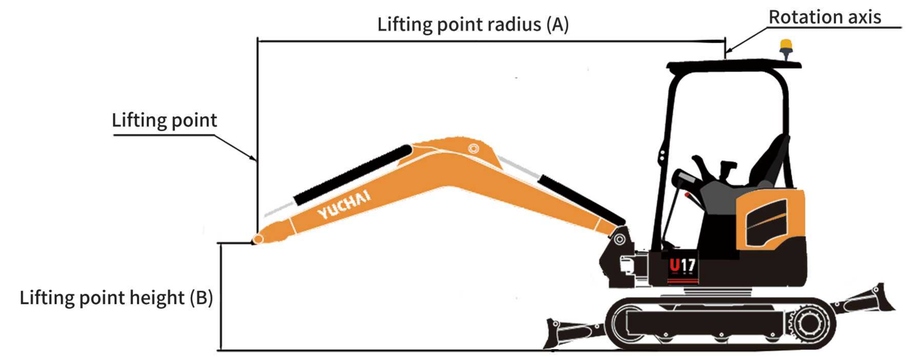
- Standards and requirements for special equipment vary by country.
- For more details on equipment options, please feel free to contact us.

Component Part	Description	Standard	Optional
Canopy	LCD instrument	•	
	High-back suspension seat		•
	TOPS	•	
Working device	Steering head	•	
	Quick connector for AUX. pipes		•
	Tilt rotator		•
	Mechanical quick Coupler	•	
	Hydraulic quick coupler lines		•
	Hydraulic quick coupler		•
	250mm Bucket		•
	450mm Bucket	•	
	1,000mm Ditch cleaning bucket		•
	950mm Arm	•	
	AUX 1 + hammer line	•	
	Hydraulic hammer		•
	Auger		•
	Dozer blade	•	
	Arm cylinder protection plate		•
	Bucket cylinder protection plate		•
	Boom holding valve		•
	Arm holding valve		•
Tracks	230mm Rubber tracks	•	
	230mm Steel tracks		•
	Telescopic chassis	•	
Hydraulic system	Single electric proportional control joystick		•
	Load-sensing hydraulic system	•	
	ISO&SAE control switch		•
	AUX1	•	
Lighting	2 LED work lights at the front	•	
	1 Rear LED work light	•	
	1 Boom work light	•	
	Beacon on canopy	•	
Others	Extra counter weight		•

U17 Max. digging radius-3930 mm (without quick coupler)

Standard Arm's Digging Force: 9.5 kN (market-leading performance)

- **Dual-arm versatility:** Standard/extended arm can meet the needs of different working conditions.
- **Key specs:** 0.05m³ bucket | 10.5 rpm swing | 17.2kN 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.



Standard arm, standard counterweight(C=kg)											
A	Arm	Max.		2.0 m		1.5 m		—		—	
B	(A=)										
2.0 m	950mm	—	—	260/260	260	—	—	—	—	—	—
	1100mm	—	—	—	—	—	—	—	—	—	—
1.5 m	950mm	—	—	380/340	310	440/440	440	—	—	—	—
	1100mm	—	—	300/300	300	—	—	—	—	—	—
0.5 m	950mm	270/150	140	580/300	280	—	—	—	—	—	—
	1100mm	240/130	120	540/290	270	—	—	—	—	—	—
0 m	950mm	—	—	550/300	270	—	—	—	—	—	—
	1100mm	—	—	530/280	260	500/430	390	—	—	—	—
0.5 m	950mm	—	—	490/290	270	680/460	420	—	—	—	—
	1100mm	—	—	480/280	250	700/430	390	—	—	—	—
-1.5 m	950mm	—	—	310/300	280	450/450	430	—	—	—	—
	1100mm	—	—	320/280	260	470/440	400	—	—	—	—

Explanation

The data contained in these tables represent the lifting capacity in accordance with ISO standard 10567. They don' t include the weight of the bucket and correspond to 75% of the maximum static tipping load or 87% of the hydraulic lifting power.
Data marked * are the hydraulic limits of the lifting power.