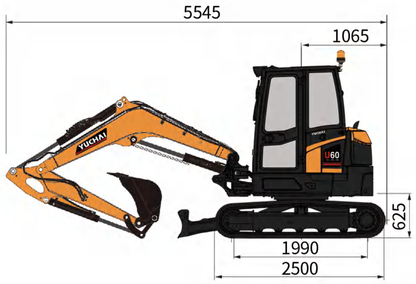

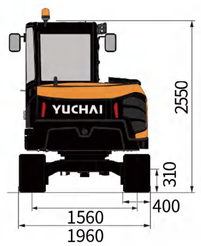

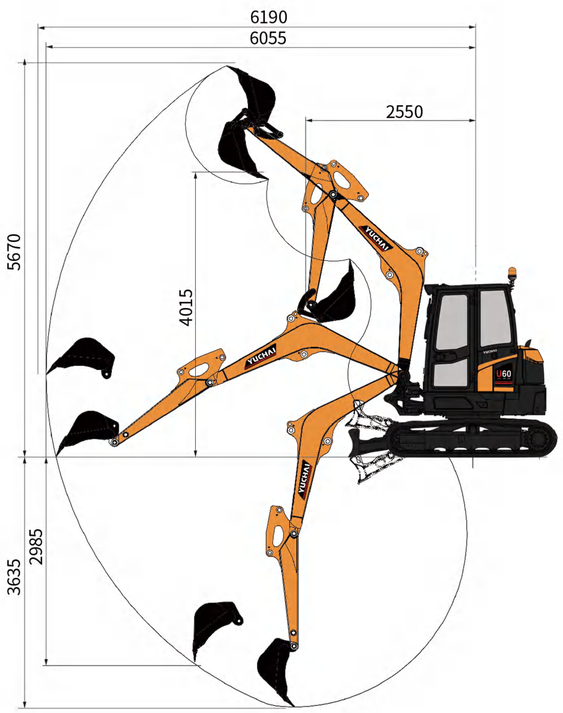

U60 Technical Specification

Basic parameters	
Machine weight	5600 kg
Bucket capacity	0.18 m^3
Width of bucket	700 mm
Performance parameters	
Engine model	Kubota V2403 | Kubota V2607
Emission Standard	Euro Ⅲ | Euro V / EPA Tier 4F
Engine power	30.7kW / 2200rpm | 35kW / 2200rpm
Max. Gradeability	35°
Max. digging force of arm	26 kN
Max. digging force of bucket	45 kN
Traveling speed	3.6/2.2 km/h
Max. hauling force	53.8 kN
Slewing speed of platform	8~10 rpm
Operating parameters	**Standard / Longer arm**
Max. digging height	5670mm / 5825mm
Max. digging depth	3635mm / 3885mm
Max. digging radius	6190mm / 6335mm
Max. digging radius on ground level	6055mm / 6200mm
Max. dumping height	4015mm / 4180mm
Min. slewing radius	2550mm / 2600mm
Max. vertical digging depth	2985mm / 3545mm
Transportation dimensions	
Overall length	5545 mm
Overall width	1960 mm
Overall height	2550 mm
Other Parameters	
Width of undercarriage	1960 mm
Length of track	2500 mm
Width of track	400 mm
Minimum ground clearance	310 mm
Height between platform and ground	625 mm
Platform tail turning radius	1065 mm
Length to center of rollers	1990 mm
Fuel tank capacity	73 L
Hydraulic oil tank capacity	70 L
Track gauge	1560 mm
Working Pressure	27.5 Mpa
Flow rate	158.4 L/Min
AUX1 Pressure/ Flow rate	27.5 Mpa/35 L/Min
AUX2 Pressure/ Flow rate	27.5 Mpa/110 L/Min
Arm length (standard/longer)	1635mm / 1885mm
Boom length	2795 mm
Steering head angle	70°(L)/53°(R)

Specifications are subject to change without prior notice .

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YUCHAI
YUCHAI EQUIPMENT

MINI EXCAVATOR

Machine weight : 5600 kg | Engine model : Kubota V2403 | Kubota V2607
Bucket capacity: 0.18 m^3 | Engine power : 30.7kW/2200rpm | 35kW/2200rpm
Overall dimensions (L x W x H): 5545mm x 1960mm x 2550 mm

U60

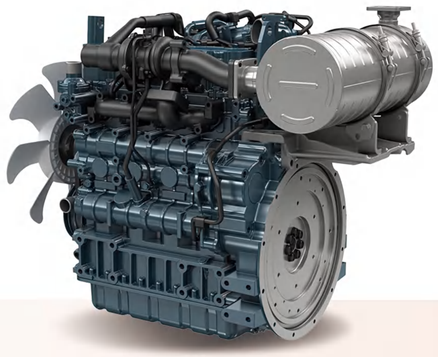
Yuchai– Pioneering Compact Construction Solutions

Yuchai, the manufacturer of China's first mini excavator (Model: WY 4, 1990) and a professional producer of compact construction equipment, brings you the all-new Yuchai U60 mini excavator.
This powerhouse mini excavator delivers exceptional capabilities that surpass expectations – whether you're new to Yuchai or a longtime partner – redefining operational excellence on every jobsite.

Powered by a Kubota V2607 diesel engine

The U60 mini excavator is powered by a Kubota V2607 engine, complying with the strictest Euro V and EPA T4F emission standards (China Tier III Kubota V2403 for option).

- 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.



Compact Design, Superior Performance:

- Engineered to meet the high standards of premium users in European and North American markets.
- Working pressure increased by 15% over the previous generation.
- Auxiliary hydraulic flow rate boosted by 25%.
- Powered by a Stage V / China Tier III-compliant Kubota engine for outstanding power performance.

Exceptional Hydraulic Design

- Load-sensing hydraulic system with 27.5 MPa working pressure and 120 L/min maximumauxiliary circuit flow.
- Standard dual auxiliary hydraulic circuits compatible with >90% of market attachments.

Pressure-Adjustable Circuit

- AUX 1 features adjustable pressure to accommodate diverse attachment requirements.

Standard Hydraulic Quick Couplers

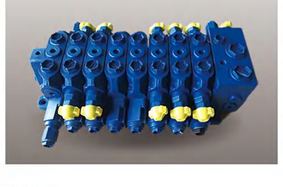
- Factory-equipped quick Couplers for efficient attachment changes.

Expertly tuned load-sensing system by Yuchai Hydraulic Technology Team delivers exceptionally smooth operation.

Compact Dimensions

Space-optimized design for operation in confined spaces

Distributor



Pump

Traveling motor

Slewing motor

Dozer Blade Float Function

- Integrated float mode for grading and leveling operations. You don' t need to adjust the dozer height to make a clean ground surface —after backfilling, just travel backward along the covered ditch with the dozer in the float position. Ground finishing work is now fast and easy!

Premium Cab
Where safety meets comfort

Industry-leading ergonomic design for compact 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.

- Precisely positioned Seat Index Point (SIP) based on 36+ years of European user feedback data, paired with vibration-damped suspension seats for ultimate comfort.
- Newly designed cab provides generous legroom;
- CAN BUS-integrated control panel with centralized interface simplifies operation;
- Intelligent Power Module (IPM) with automated fault diagnostics;
- Wireless smartphone charging (20W fast-charging supported);
- Rear camera enhances operational safety.

Rear camera

7-inch touch screen

Concise user interface

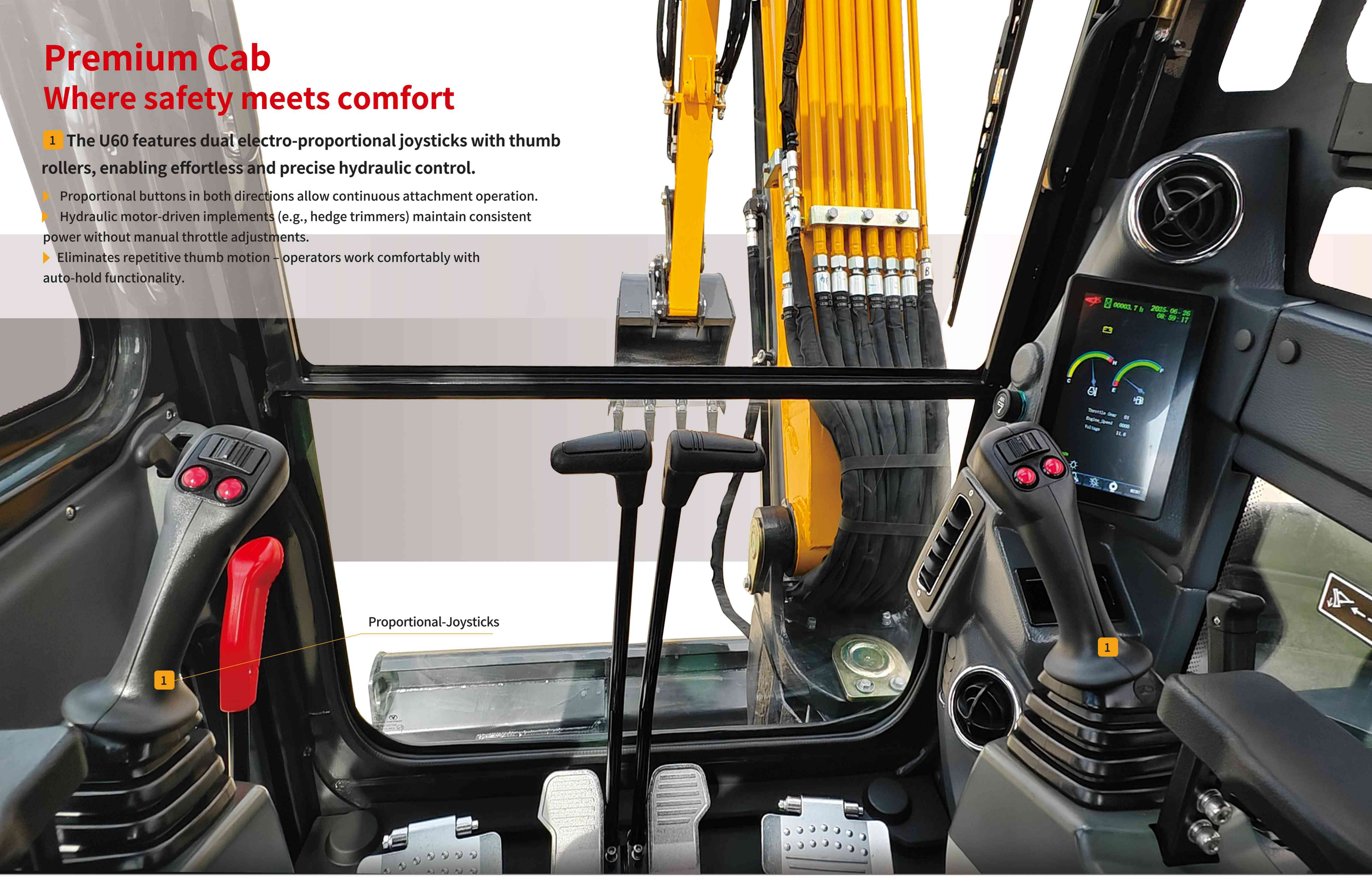
Wide and comfortable foot space

Spacious and comfortable cabin

Premium Cab
Where safety meets comfort

1 The U60 features dual electro-proportional joysticks with thumb rollers, enabling effortless and precise hydraulic control.

- Proportional buttons in both directions allow continuous attachment operation.
- Hydraulic motor-driven implements (e.g., hedge trimmers) maintain consistent power without manual throttle adjustments.
- Eliminates repetitive thumb motion – operators work comfortably with auto-hold functionality.



- Large windows for all-round visibility and safe work

Simple and Convenience Maintenance

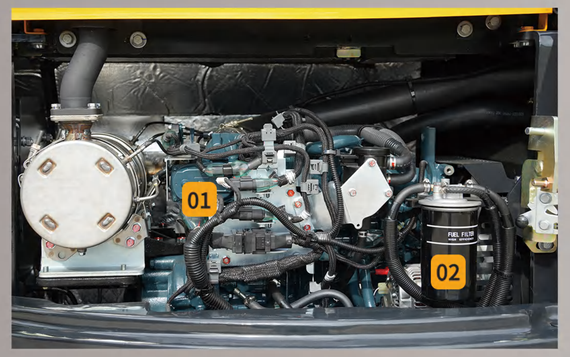
- Opening bonnet design optimum arrangement of internal parts for quick and efficient service and a shorter downtime.
- Metal covers are stronger and easier to repair.

High Cost-Performance

- The U60 mini excavator delivers exceptional cost-performance. With its heavy-duty structure, powerful engine, and versatile capabilities, the U60 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 U60 is a long-term investment in your operational efficiency and profitability.

Optimal Maintenance Points

- The U60 mini excavator's centralized maintenance points enable quick and efficient maintenance, maximizing uptime and minimizing maintenance costs.



04 Arm holding valve

04 Boom holding valve

08 grease lubrication point

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 U60 mini excavator features an Intelligent Power Module (IPM) with automatic fault diagnosis and alert capabilities.

Intelligent Power Module (IPM)

02 Fuel filter

03 Water tank & radiator

05 Battery

06 Air filter

07 coolant

Equipment

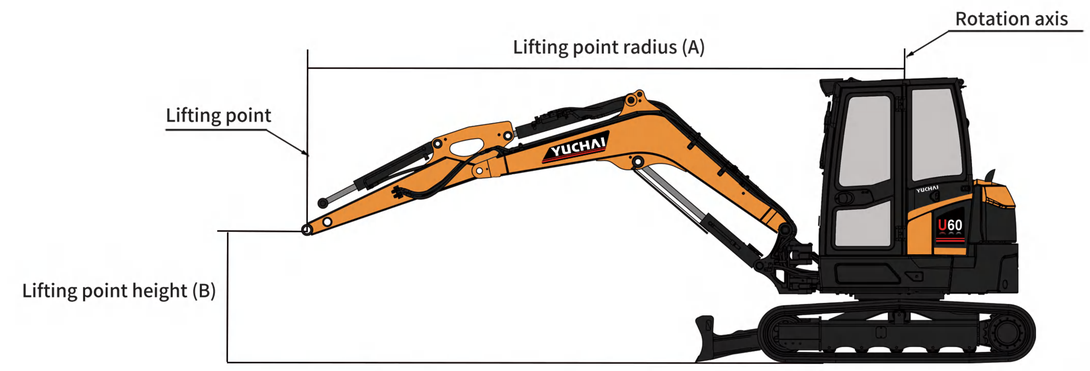
- Standards and requirements for special equipment vary by country.
- For more details on equipment options, please feel free to contact us.

Component Part	Description	Standard	Optional
Cabin	LCD instrument	•	
	AM/FM Radio with bluetooth	•	
	Cup holder	•	
	High-back suspension seat	•	
	Air conditioning	•	
	FOPS	•	
	TOPS	•	
	Front wipers	•	
	Rearview mirrors	•	
	Wireless charging	•	
	Rear camera	•	
	Cigarette lighter	•	
Working device	Steering head	•	
	Quick connector for AUX. pipes		•
	Hydraulic quick coupler pipes	•	
	Hydraulic quick coupler		•
	Tilting coupler		•
	Tilt rotator		•
	400mm Bucket		•
	700mm Bucket	•	
	1200mm Bucket		•
	1,635mm Arm	•	
	1,885mm Arm		•
	Hammer lines	•	
	Hydraulic hammer		•
	Auger		•
	Thumb		•
	Dozer blade	•	
	Dozer & Boom cylinder protection plate	•	
	Boom holding valve	•	
	Arm holding valve	•	
Tracks	400mm Rubber track	•	
	400mm steel track		•
Hydraulic system	Traveling alarm		•
	Dual electric proportional control joystick	•	
	Load sensing hydraulic system	•	
	ISO/SAE switch	•	
	AUX1	•	
	AUX2	•	
	AUX1 Adjustable pressure	•	
	AUX1 & AUX2 Adjustable flow		•
	Dozer blade float	•	
Lighting	2 LED work lights at the front	•	
	1 Rear LED work light	•	
	1 boom LED work light	•	
	Beacon on the cabin	•	
Others	Extra counterweight		•

U60 Max. digging radius-6190 mm (without quick coupler)

Standard Arm's Digging Force: 26 kN (market-leading performance)

- **Dual-arm versatility:** Standard/extended arm can meet the needs of different working conditions.
- **Key specs:** 0.18 m^3 bucket | 8~10 rpm swing | 45 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.



Standard arm, standard counterweight(C=kg)											
A	2.0 m		3.0 m		4.0 m		5.0 m		Maximum Arm Reach Lifting Capacity		
B											
5.0 m	—	—	—	—	—	—	—	—	—	—	—
4.0 m	—	—	—	—	*1275	609	—	—	*1222	542	—
3.0 m	—	—	—	—	*1302	604	—	—	*1135	426	—
2.0 m	—	—	*1996	884	*1512	576	*1306	408	*1139	377	—
1.0 m	—	—	*2647	800	*1755	542	*1378	394	*1211	359	—
0 m	—	—	*2831	758	*1873	516	*1379	383	*1310	368	—
-1.0 m	*2703	*1412	*2593	750	*1756	508	—	—	*1310	412	—
-2.0m	*2969	*1450	*1922	767	—	—	—	—	*1230	542	—
-3.0m	—	—	—	—	—	—	—	—	—	—	—
-4.0m	0*	0*	0*	0*	0*	0*	0*	—	—	—	—

Explaination

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.