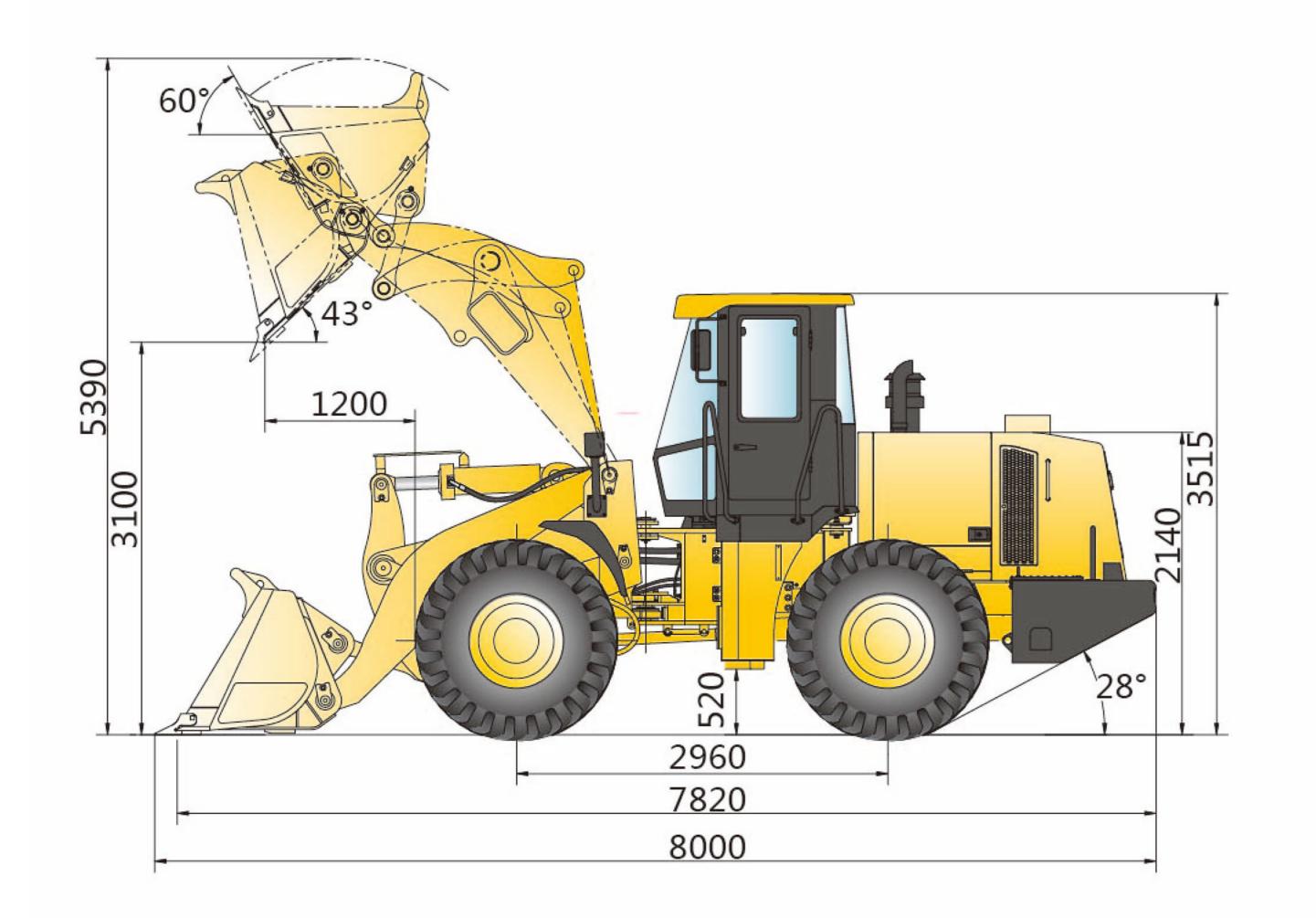
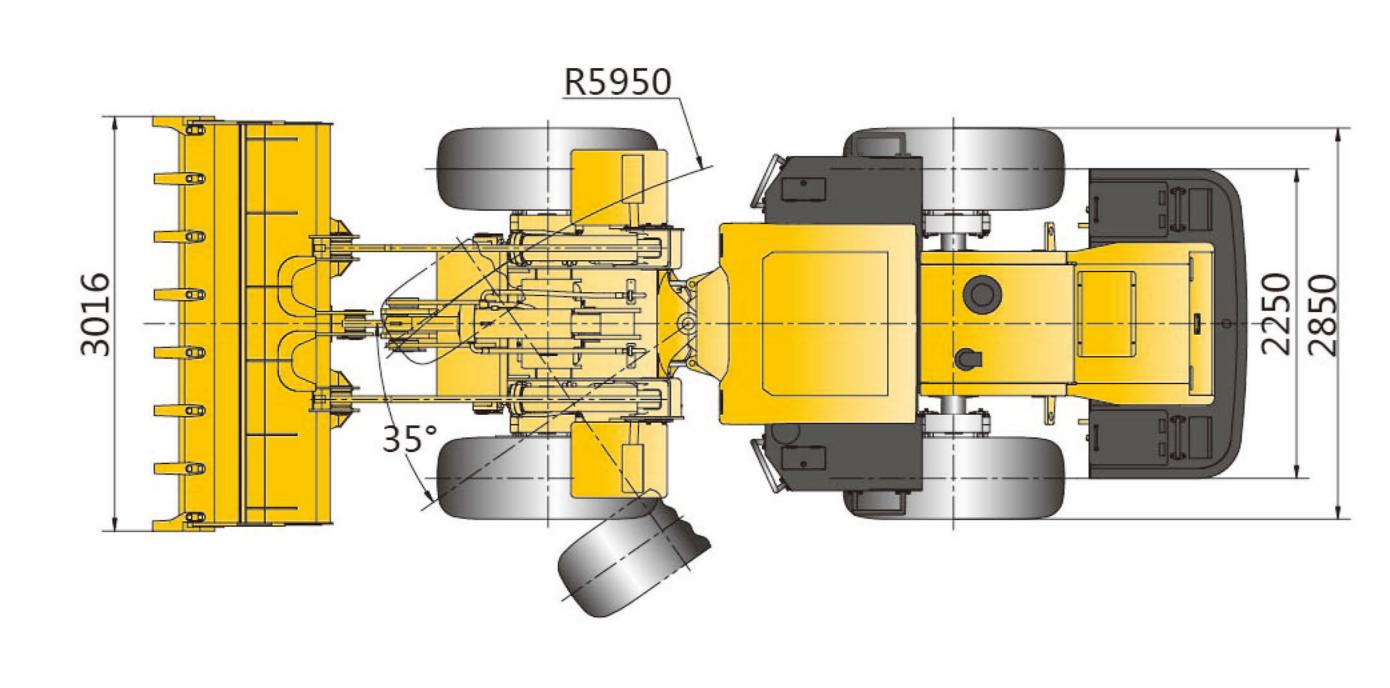
OUTLINE DIMENSIONS





MAIN SPECIFICATIONS

Description	Specification	Unit		
	5000	•		
Rated operating load		kg		
Bucket capacity	3.0	m ³		
Machine weight	16700	kg		
Dump clearance at maximum lift	3100	mm		
Reach at maximum lift	1130	mm		
Wheel base	2960	mm		
Tread	2250	mm		
Max.breakout force	162	kN		
Max.horse power	160	kN		
Hydraulic cycle time-raise	< 6	S		
Total hydraulic cycle time	< 11	S		
Min circle radius over outside bucket	6950	mm		
Min. turning radius over tyres	5950	mm		
Articulation angle	35	0		
Gradeability	28	0		
Tyre size	23.5-25			
Overall machine dimension L×W×H	8000×3016×3515	mm		
Model	WD10G220E23			
Rated Power/Speed	162/2000	kW/rpm		
Travel speed I -gear (F/R)	11.5/16.5	km/h		
Travel speed I -gear (F/R) II-gear (F)	38	km/h		

Structure and specification are subject to change without notice. In case there is any difference between

LV500FN WHEELLOADER



Description Specification

Rated operating load 5000kg Bucket capacity 2.5 ~ 4.0 m³ Machine weight 16700±300kg Max.breakout force 162±5kN Max.horse power 160±5kN

Product Overview

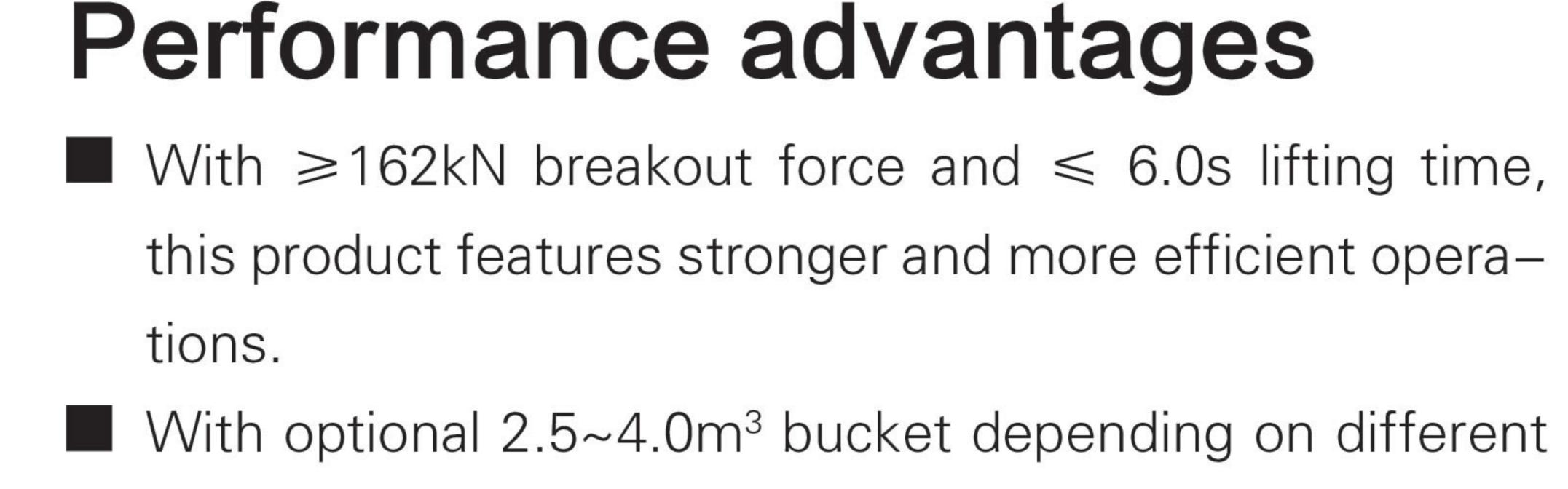
LW500FN wheel loader is one of the latest 5t models released by XCMG and, featuring strong power, high mobility and flexibility, high efficiency and energy—saving, and high safety and comfort, is extensively applied for the shoveling, loading, handling, and digging of bulk materials in the applications including sand yards, coal yards, large logistics, and engineering constructions

Model Characteristics

■ The design of super-strong structural parts realizes high stability and reliability.

The double-row tapered roller bearings are adopted for the hinge joints to realize strong load carrying capacity in all directions.

- The 2960 wheelbase takes into consideration both the operation stability and high mobility and flexibility.
- XCMG proprietary drive system features high efficiency and energy-saving.
- The double-pump split-flow/convergence technology of the hydraulic system is adopted to achieve more sufficient power utilization.
- The cab features large space, broad visual field, good sealing performance, low vibration, and low noise.
- The standard audio system and the optional pressurized cab with air conditioning system elaborately build a comfortable operating environment.

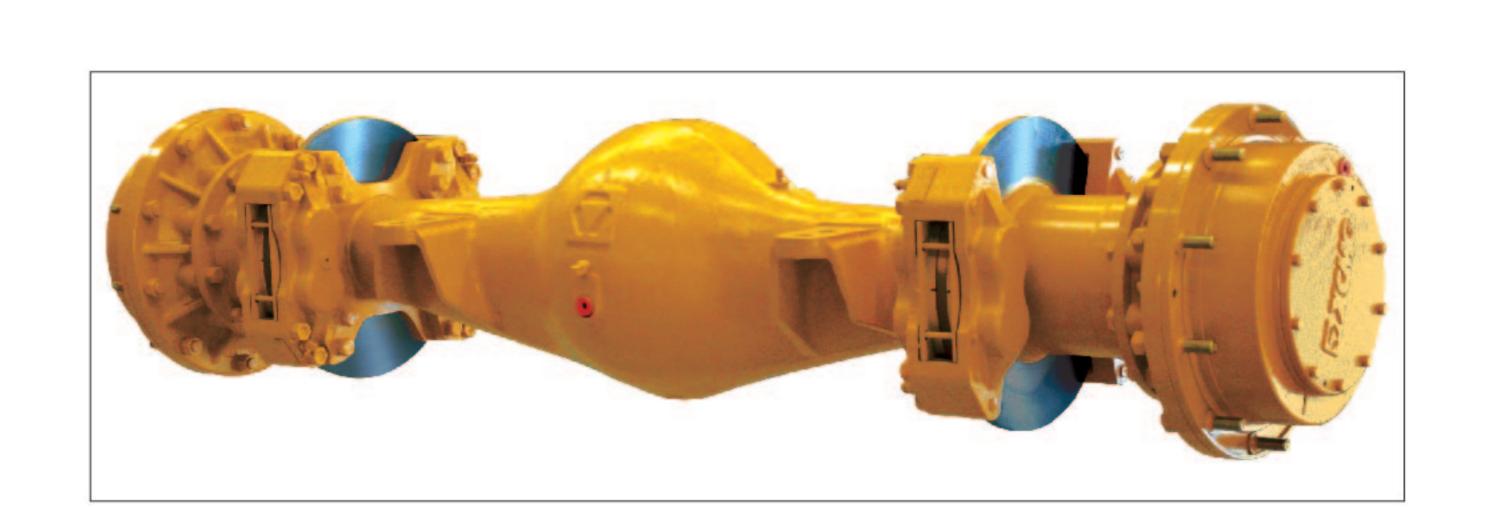




Powerful Upgrade and High Firmness and Reliability

Drive parts of outstanding performances

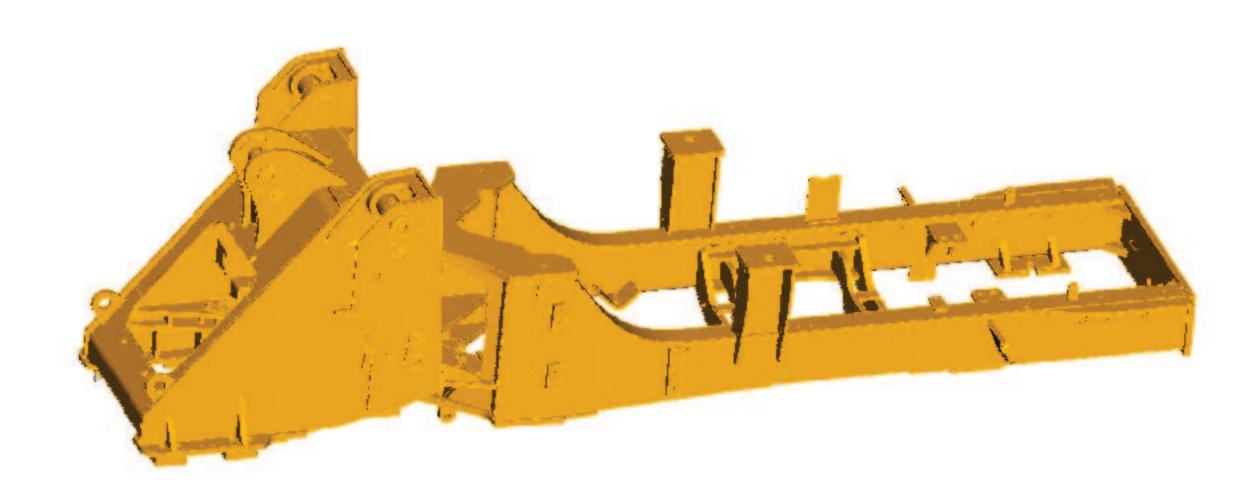
- The inline, water-cooled, four-stroke, 6-cylinder, direct injection, turbocharged engine equipped features high torque reserve and is elaborately designed especially for working conditions of construction machinery.
- The special high capacity torque converter and the enhanced transmission design achieve perfect matching with engine system.
- The wheel reducer for the enhanced drive axle adopts integral gear ring structure to improve the load carrying capacity of axle and meet the needs under all kinds of severe conditions.





Long-tested super-strong heavy-duty structural parts

- The rear frame in high strength steel plate boxed-shaped structure features high firmness and reliability.
- The integral cast boom support lug seats eliminate the tear problem.
- Two groups of double-row tapered roller bearings are adopted for the main hinge joints, featuring high carrying capacity and long service life.
- The finite element analysis technology is adopted for all critical parts to reduce the stress concentration and eliminate the partial weakness.



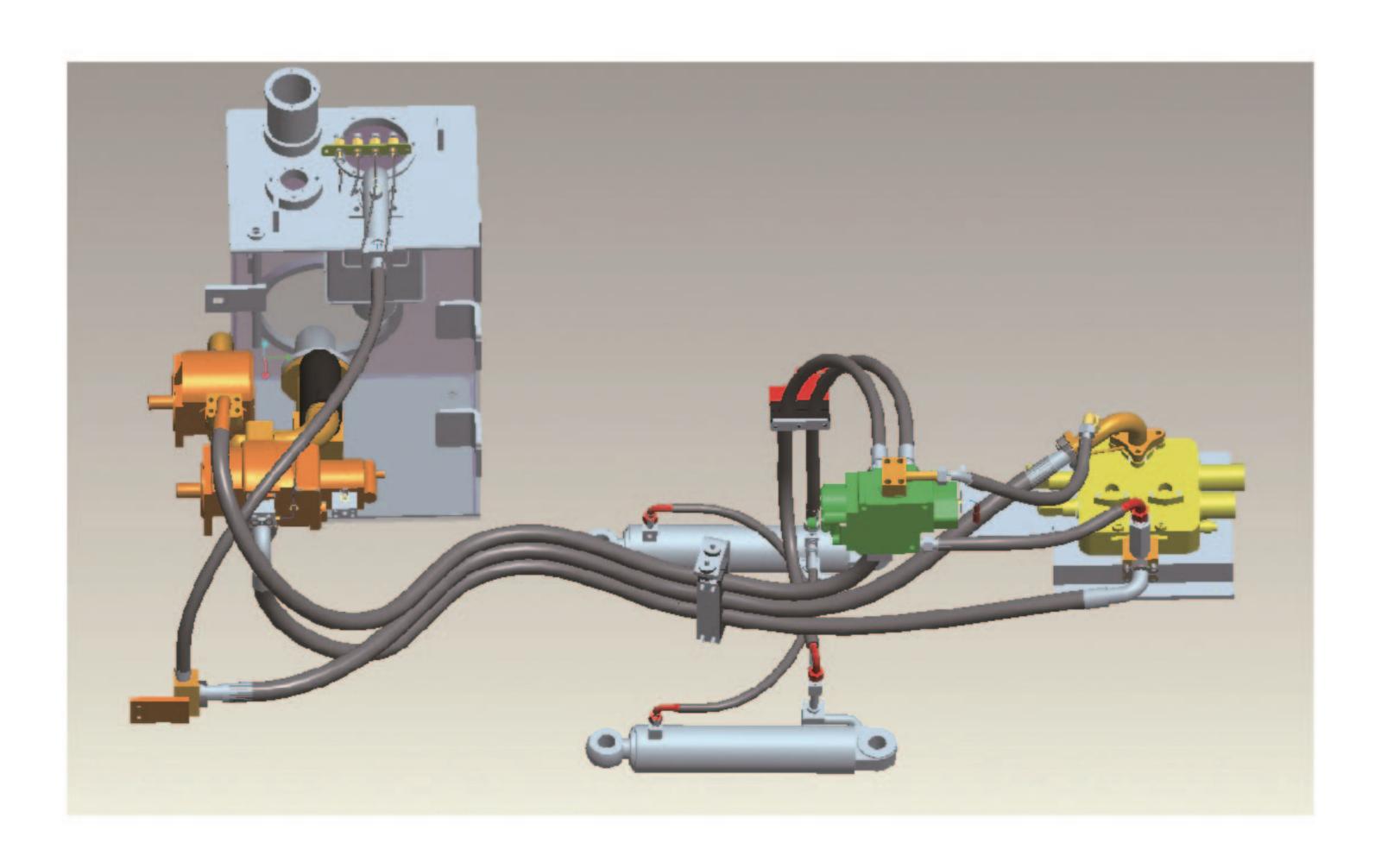


High strength working device

- The innovated lubricating mode for shaft sleeves and hinges and the oil groove lubricated shaft sleeves effectively improve the reliability and service life of hinges.
- The bucket is completely made of high strength steel plates to improve the wear and impact resistance by more than 30%. The robot welding is adopted to guarantee the quality and prolong the service life for each weld.

International quality hydraulic and electric units

- The international brand low noise, energy-saving, and high efficiency hydraulic pump provides stronger hydraulic power.
- The hydraulic hoses and fittings of international renowned brands are adopted to ensure high pressure resistance, long service life, and up to -40°C cold resistance.
- The hydraulic pipelines adopt double sealing means (DIN standard 24° taper thread+O-ring) to achieve better sealing performance and effectively solve the leakage problem.
- All hydraulic tubes are made of high density tubes, featuring better reliability.
- The layout pipelines and circuits is optimized to prevent the unnecessary wear of pipelines and circuits and ensure the reliability of electric circuits and hydraulic pipelines.
- The harnesses are made of international quality material and the process layout is optimized to ensure reliable electric circuit system.



Environment-Friendliness, Energy-Saving, and High Efficiency

High efficiency drive system

• The XCMG proprietary energy-saving high-efficiency drive system realizes the perfect matching between engine and transmission to achieve maximum utilization of engine power and, while promoting the working efficiency, greatly lower the fuel consumption.

High efficiency hydraulic system

 The double-pump convergence technology of the hydraulic system achieves outstanding fuel-saving effect.

High efficiency working device

• The optimized design of working device hinge joints reduces the pressure of hydraulic system, improves the reliability of hydraulic system, and lowers the power consumption of hydraulic system while guaranteeing the leading performances of the machine.

Reasonable distribution of overall weight

• 16.7t overall weight of standard model meets the operation needs under severe conditions and provides additional weight for the overall machine to achieve reasonable utilization of overall weight.

Short working cycle

• LW500FN adopts medium and short wheelbase design, featuring low turning radius, shorter traveling distance, short total cycle time, higher efficiency, and lower cost.

Human-Oriented and High Comfort and Safety

Spacious, comfortable, and calm driving space

- The super-spacious luxury cab features large space and good visual field. The optional ROPS/FOPS cab is at your choice.
- The adjustable steering gear can adapt to the operation habits and working needs of the operators in different body forms.
- The standard MP3 player, AM/FM radio, and luxury sound system bring about car–level driving pleasure.
- The adoption of in-depth sound insulation and shock absorption measures greatly reduces the internal noise of cab during working of machine to provide a quiet operating environment for the driver.
- The sealing measures are taken for the cab to reduce the heat loss within the cab.
- The optional pressurized cab with air conditioning system realizes better operation comfort.
- The all-new digital VDO combination instrument features high beauty and elegance and the easily accessible electric units and buttons easily realize all kinds of operation actions.
- The adjustable luxury cushioned seat and steering gear can meet the operating habits and needs of the operators in different body sizes.
- The full-coverage exquisite interior trims and the damping and noise reduction measures for the cab and engine hood reduce the noise by more than 6dB to build a comfortable operating environment.
- The panorama rear windscreen with rear wiper and the reversing alarm equipped ensure good visual field and safe reversing.









Safe and reliable brake system

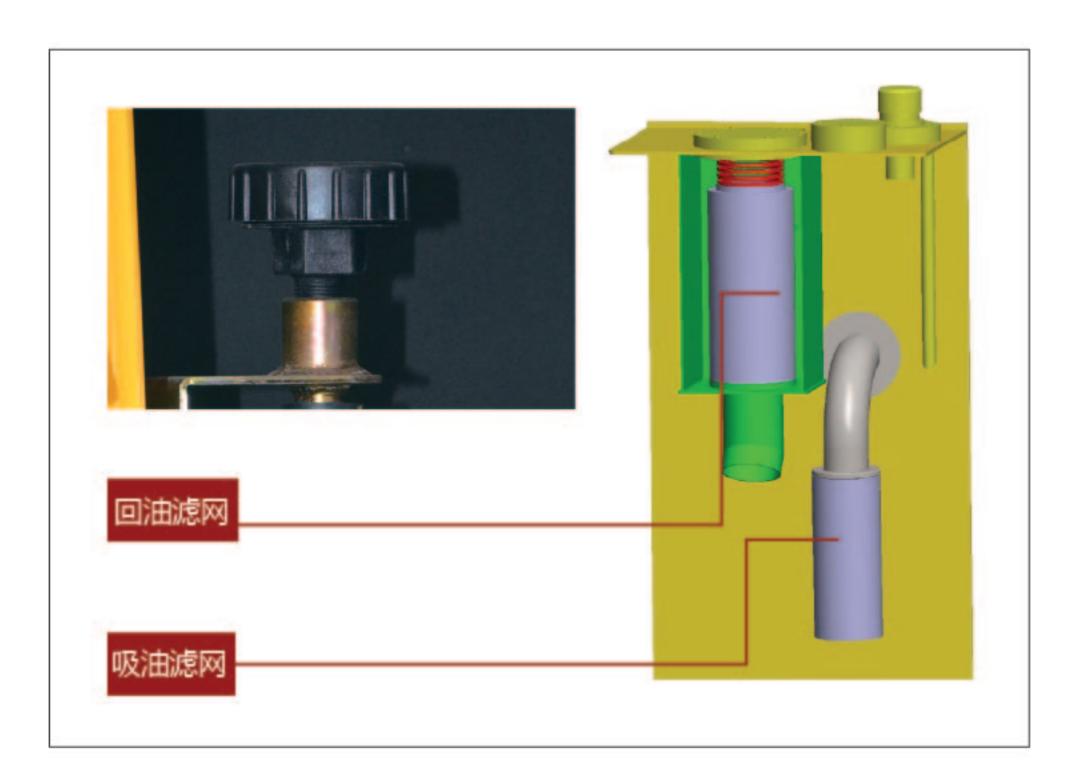
- The service brake adopts air-assisted caliper four-wheel brake system to play the powerful braking force and at the same time relieve the load for each brake piston and improve the durability.
- The layout of brake pipeline is optimized and the diameter of the pipeline is enlarged to prevent the freezing blockage of brake pipe under low temperature.

Convenient Maintenances

- The new framework structure engine hood and the uplift large side doors boast large opening angle and make the checking, repair, and maintenance easier for the engine and radiator.
- The openable rotary oil tank eases the maintenances for torque converter and transmission.
- The system pressure checking ports are concentrated to save the maintenance time and labor.
- The centralized fuse case centrally indicates the running status of electric system and eases the maintenance.
- The split brake calipers realize convenient daily maintenances.
- The metallic sintered dust-proof breather features high firmness and reliability and easy maintenance.
- The independent chamber design for oil return line of hydraulic oil tank guarantees the convenient maintenances.
- The emergency air source interface fitted on the air cylinder eases the user's cleaning of filter element and the inflation of the tires.



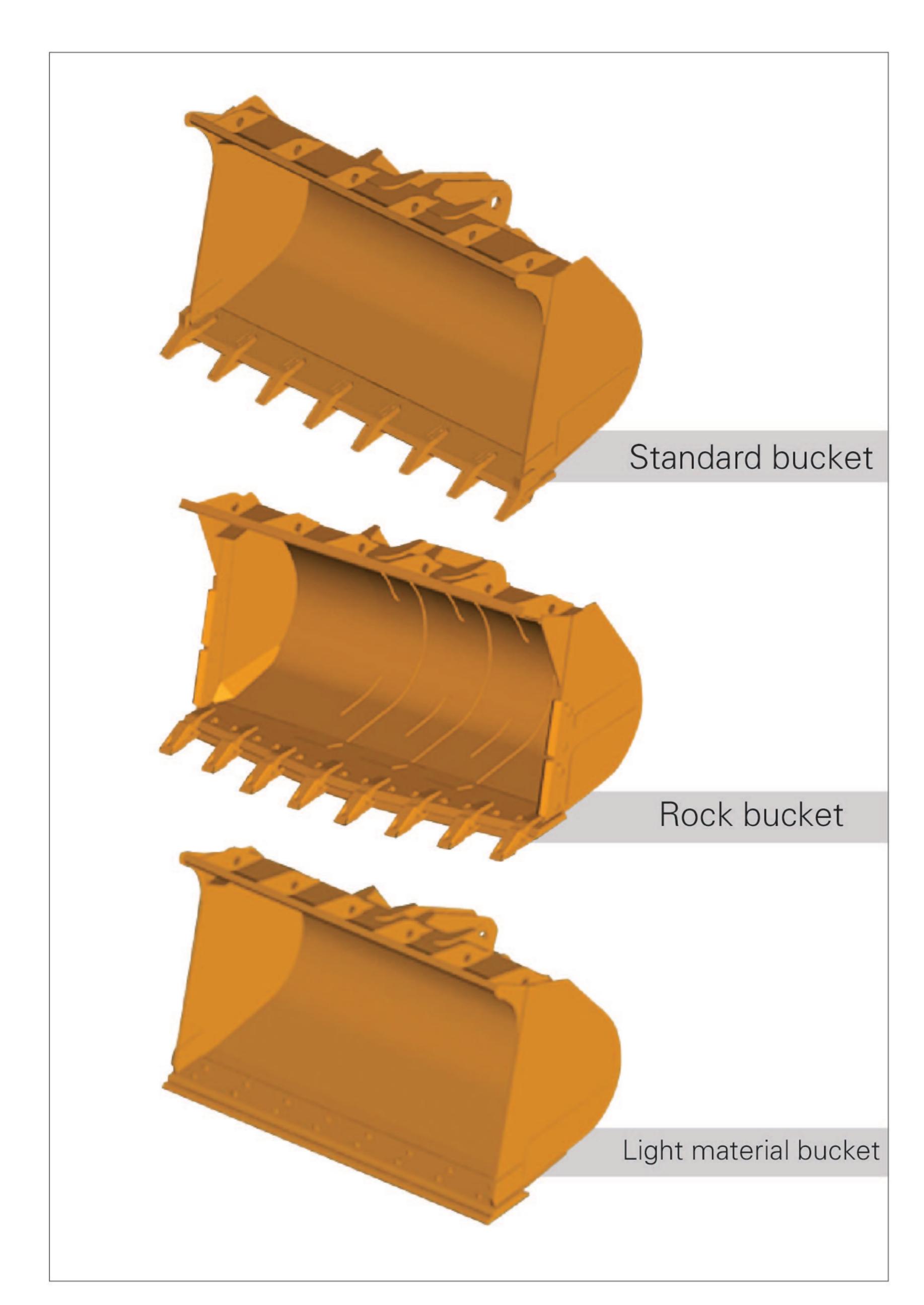




Diversified Choice and Extensive Adaptability

Diversified bucket design

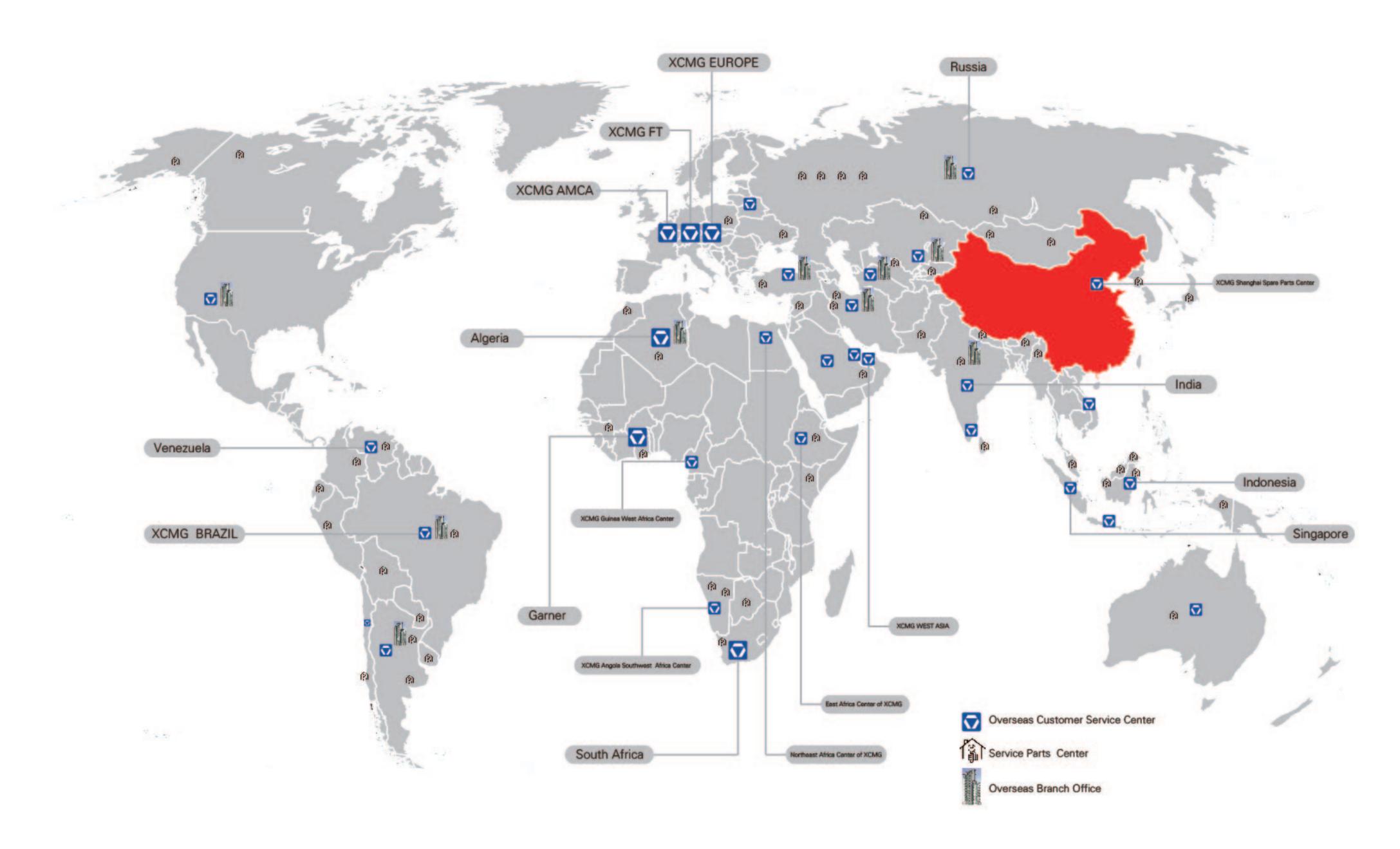
- Standard bucket: The shape of the bucket is optimized to realize low thrust force and high working efficiency. The bucket is made of high strength steel plate, featur ing high reliability.
- Rock bucket: It's dedicated for handing of hard materials (such as rock), featuring good resistance against wear and impact.
- Light material bucket: Dedicated for handling of bulk materials, including coal and wood chips, the bucket capacity is enlarged (3.5, 4.0, 4.5 and 5.0m³) to achieve higher working efficiency.



Timely Services and Powerful Guarantee

Guarantee of continuously high-efficiency running

- The implementation of "full-life cycle services" ensures the trouble-free throughout full life cycle.
- The worldwide marketing service network features extensive coverage.



Multiple working devices for different working needs

- High dumping height: The dumping height is 3500mm if the standard 3.0 bucket is equipped.
- Clamp: For grab and transport of various woods and tubing.
- Bale grabber: It's used for the grabbing and handling of light materials such as straws and paper boards.
- Snow plough: For snow removing in roads and urban streets.



Specification of optional attachments

Item		Clipping teeth II (staggered teeth)	Toad's mouth clamp	Grasping grass machine	Snowplow	Pallet fork	Unit
Rated load	5000	5000	5000	4500	-	5000	kg
Dump clearance at maximum lift(front dump)	3230	3230	3230	3250	-	2. 	mm
Reach at maximum lift(front dump)	1845	1845	1845	2050	_	<u>-</u>	mm
overall hight at maximum lift	 8	-	, 		_	3737	mm
Max. dumping angle(work tool)	30	30	30	20	-	2 .50	0
Max.opening	1955	1780	1900	2900	=	-	mm
Max. clamping diameter	800	430	450	1472	_		mm
Max.working width(snowplow)	_	II-	-	_	3800	-	mm
Slewing angle (horizontal)					±35		0
Swing angle (snowplow)					±6	<u>-</u>	0
Rack back angle at ground	<u>101</u> §		<u>-</u>	— :	_	20	0
Length(work tool)	- :		-	- :	_	2053	mm
Width(work tool)	2356	2356	2390	2580	-	2516	mm
Height(work tool)	<u></u>		:- <u></u>	==:	_	1200	mm
Tine length(pallet fork)	 3	1:	_		-	1200	mm
Overall machine dimensions-length	8305	8305	8305	8560	8315	8350	mm
Overall machine dimensions-width	2850	2850	2850	2850	3800	2850	mm
Overall machine dimensions-height	3515	3515	3515	3515	3515	3515	mm