



ZL40G(C€)

WHEEL LOADER



Rated Capacity	2.4CBM
Rated load	4000kg
Dumping Clearance	2841mm

ZL40G(CE)

WHEEL LOADER



ENGINE

◆ Equipped with SHANGCHAI's SC8DK170G3 electronic controlled turbocharged diesel engine (compliance with EU STAGE III and EPA TIER III emission standards)

◆ SHANGCHAI engine



TRANSMISSION I (XCMGTRANSMISSION)

◆ Equipped with HANGZHOU ADVANCE GEARBOX's 180 front-three and rear-four fixed-shaft type electronic controlled gearbox (special for XCMG's 4t loader) with ZF technology, featuring the KD function.



CAB

Brake system: It adopts the front and rear layout around the boosting cylinder, and the brake pipeline is optimized to provide the more complete and quicker oil return, and reduce the wear of the friction plate. The gas pressure protection and emergency brake for the press-button release are integrated; the man-controlled transmission power cutoff selector valve is available to reduce the impact on the brake friction plate and the complete machine during working and improve the service lifetime of the transmission; and with the switchover of the selector valve enables the transmission not to cut off the power, and thus improves the safety during working on slope.



ALL AROUND VISIBILITY

◆ Equipped with FOPS (Falling Object Protective Structure) and ROPS (Rollover Object Protective Structure) for XCMG's 5t loader, featuring bigger bearing force and higher protection. It is equivalent to the upholstery of a vehicle. The American brand BERGSTROM air conditioner is optional for providing the operators with better working environment.

SMOOTH CONTROL

◆ The operating hydraulic system adopts the Dual-pump Confluence Technology, featuring energy conservation, high efficiency, effective reduction of the displacement and pressure of the pumps, the reduction of overflow loss, and thus improvement of the hydraulic system efficiency and component reliability, and minimization of the energy loss; equips with the load-sensing hydraulic steering; and adopts the single-handle pilot control hydraulic system, featuring easy-to-operate and higher safety and reduction of the driver's working intensity.

EXCELLENT STRUCTURE CONVENIENT FOR MAINTENANCE

- ◆ The tipping-backward metal engine hood, which provides more convenience to the maintenance; the front and rear big mudguards are installed to provide higher protection of the complete vehicle.
- ◆ Equipped with the desert type large-spacing radiator for 125KW engine, featuring better thermal balance.



FRANE & WORKING DEVICE

- ◆ The electrical components are international famous brand products, and all electrical components of the vehicle equip with water-proof connectors and negative-electrode switch, which protects the electrical system.
- ◆ Standard optimized 2.4 m³ rock bucket: Inside the bucket the additional plate and high-strength auxiliary cutting plate are installed, and the precisely-casted detachable tooth holder and sleeve type bucket gear is used to greatly extend the lifetime of the bucket. The working unit adopts the XCMG's new structure, featuring big drawing force, minimum total cycling time, and realize automatic leveling function at any position, which minimizes the driver's working intensity and improves the operating efficiency.
- ◆ Versatility: The optional three-through hydraulic system, multi-functional quick coupling unit, side-discharging unit meet the diverse demands of different customers.
- ◆ Optional working devices: Pallet forklift, Wood clamp, 3rd function lines and valves, etc.

Basic parameter

Rated bucket capacity	2.4 m ³
Operating weight	14500

ENGINE

Model	SC8DK170G3
Type	6 cylinder, in line, direct-injection, four stroke, turbo-charged, water cooler, air to air inter cooler, electric control.
Rated power	125kW
Rated speed	2200r/min
Maximum torque	700N.m
Number of cylinders	6
Bore x stroke	114mm x 135mm
Displacement	8.27L
Compression ratio	18
Batteries	24V 200A

TRANSMISSION I

Type	Hangzhou Gearbox, WG180, Integral Power-shift type.	
Travelling speed (km/h)	Forward I/Reverse I gear	7km/h / 7km/h
	Forward II/Reverse II gear	12km/h / 12km/h
	Forward III/Reverse III gear	23km/h / 23km/h
	Forward IV gear	36km/h

AXLE

Model	20/18MRF-C214GB	20/18MRF-C214GC
Driving system	Four wheel driving sytem	
Carrier assembly	Spiral bevel gear single reduction	
Reduction ratio	5.286	
wheel end reduction assembly	Single planetary reduction	
Reduction ratio	4.26	

SERVICE REFILL CAPACITIES

Name	unit	liter
Fuel		200L
Engine lubrication		20L
Transmission		28L
Hydraulic tank		160L
Axle		36L

STEERING SYSTEM

Type	Articulated frame full hydraulic power steering
System steering pressure	14Mpa
Steering pump Model	CBGJ2063C
Seering pump displacement	63ml/r

Cylinder

Type	double-acting, piston type
Bore x stroke	90mm x 350mm

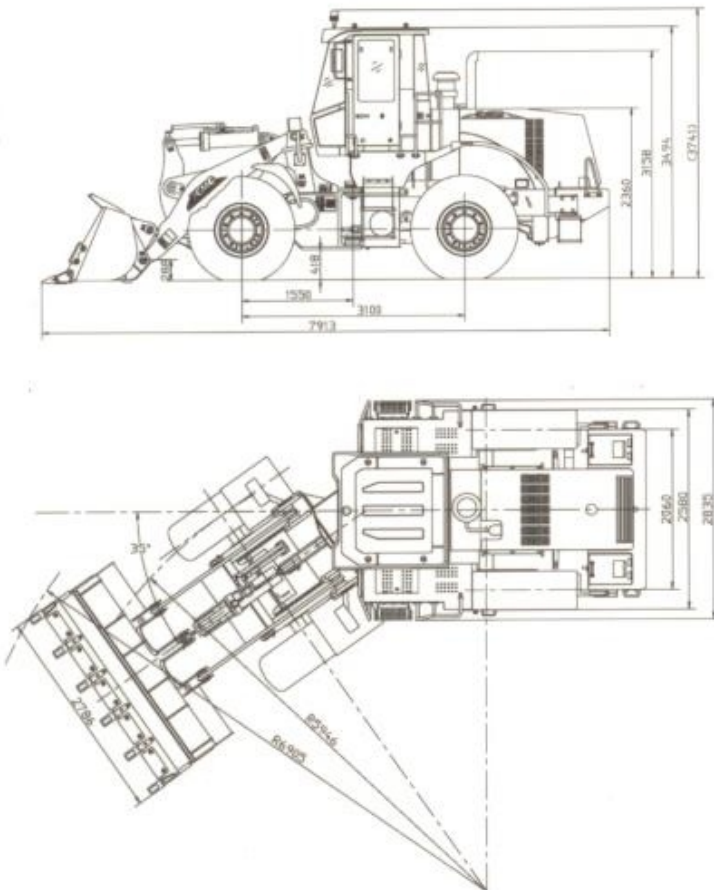
BRAKES

Service brake	Air-assisted hydraulic-disc brake on 4-wheel
Parking brake	Air-Chamber operating inner-expanding shoe brake

WORKING HYDRAULIC SYSTEM

System working pressure	15Mpa
Pump model	CBGJ2063R
Pump displacement	63L/r
Cylinder	
Lift,bore × stroke	140mm × 800mm
Tilt,bore × stroke	160mm × 550mm
Cycle time	
Raise time	≤5.5S
Total time of three items	≤10.5S

DIMENSIONS



Main Specifications

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Rated load	4000kg
Dumping Clearance	2841mm
Dumping reach	1101mm
Max.breakout force	130kN
Articulation angle	±35°
Min.turn radius	5946mm
Climb ability	28°
Wheel base	3100mm
Tread	2060mm
L × W × H	7913 × 2835 × 3494mm
Tip load:	9500kg (straight) 8300kg (full steering)
Tires:	20.5-25-16 L3

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