XCMG Wheel Loader LW600K

Feature

LW600K is the main model of K series after G series. Power drive flexible suspension damping; dual-pump combined technology, flow expanding steering, guide control; the frame of the high strength adapts to the heavy load condition; XCMG unique working mechanism lightens the unloading impact greatly; hydraulic wet brake ensures the safe and reliable operation and travelling; the adjustable instrument panel contributes to the best operation position; intelligent electronic monitoring system could monitor the operation condition of the machine accurately.

Experienced part

• The imported Cummins QSC8.3 electrical injection, turbo-charing, air-air inter-cooling engine, electric start and flameout. The emission meets the requirement of TIRE-3 stage, featuring high performance, low oil consumption, environmental care, and strong power.
• ZF electrical and hydraulic control transmission provides smooth gear shift, featuring advanced performance and strong reliability; KD gear function

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reduces the operation gear shift frequency and improves the operation
efficiency.
• ZF wet slip-limited drive axle. The brake is installed in the drive axle, which
could prevent the entry of the water and dust. The machine could run in soft
area or water. The center slewing of the rear axle could reduce the impact of
the additional torque and external loader to the drive system.
Excellent performance
• Dual-pump combined technology, hydraulic flow expanding steering,
single-handle guide control, flexible and convenient.
• The steering limit is dual limits of hydraulic control and mechanical
control. The hydraulic control limit is prior to the mechanical limit, reducing the
impact.
• With the electromagnet positioning technology, the machine has the
automatical leveling function of the bucket, decreasing the working labor of the
operator and improving the work efficiency. The boom lifting limit function could
prevent the mechanical impact, reducing the fatigue of the operator.
• Long wheelbase, centered distribution of the articulated center, good reliability.
The design of the front and rear frame center articulated bearing has passed
the trail. the tough frame bone could bear the repeated torsion in uneven
ground.
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frame of the high strength adapts to the heavy load condition; XCMG unique
working mechanism lightens the unloading impact greatly; hydraulic wet brake
ensures the safe and reliable operation and travelling; the adjustable
instrument panel contributes to the best operation position; intelligent
electronic monitoring system could monitor the operation condition of the
machine accurately.
Safe and reliable brake
• Hydraulic wet brake. Combine the emergency brake and parking brake to
ensure the safe operation.

Reliable structure strength

• Focus on the integrated structure strength. Use finite-element analysis to
reduce the stress concentration position to ensure the adaption to various
kinds of dangerous conditions.
Comfortable operation environment
• The independent cab features wide visibility, sealing and damping, air
conditioning, radio, and adjustable seat. The comfortable and safe operation
environment is the sufficient reflection of human-machine combination. The
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operator enjoys the operation and improves the working efficiency.
• The steering column is integrated with the instrument panel. Anyone could change the angle of the steering column through one control lever to find the best position. The information on the monitor is clear and the operator could grasp the machine status.
• The operator could monitor the machine in real-time through the information displayed on the control panel with the new monitoring system.

Convenient maintenance
• With integrated oil filling, the service person could access to the maintenance point from the ground, featuring higher efficiency.
• The side plates of the shield and rear shield are opened easily, and it is convenient to check the engine and parts, and daily maintenance.

Parameter

<table>
<thead>
<tr>
<th>Item</th>
<th>Parameter</th>
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</thead>
<tbody>
<tr>
<td>Rated bucket capacity</td>
<td>3.5-4.5m³</td>
</tr>
<tr>
<td>Rated load</td>
<td>6000kg</td>
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<tr>
<td>Operating weight</td>
<td>20000kg</td>
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<tr>
<td>Min. clearance</td>
<td>467mm</td>
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<tr>
<td>Max. traction</td>
<td>171kN</td>
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<tr>
<td>Max. drawing force</td>
<td>201kN</td>
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<tr>
<td>Boom lifting time</td>
<td>5.7s</td>
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<tr>
<td>Total time of three devices</td>
<td>10.9s</td>
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Engine

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<tr>
<th>Item</th>
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<tbody>
<tr>
<td>Model</td>
<td>Cummins QSC8.3</td>
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<tr>
<td>Type</td>
<td>6-cylinder, 4-stroke, electronic injection, turbocharging</td>
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<tr>
<td>Rated power</td>
<td>179kW</td>
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<tr>
<td>Rated rotary speed</td>
<td>2200r/min</td>
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Travel speed

<table>
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<th>Item</th>
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</thead>
<tbody>
<tr>
<td>Forward/Backward I Gear</td>
<td>6/6km/h</td>
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<tr>
<td>Forward/Backward II Gear</td>
<td>11/11km/h</td>
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<tr>
<td>Forward/Backward III Gear</td>
<td>22/22km/h</td>
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<tr>
<td>Forward IV Gear</td>
<td>36km/h</td>
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Tyre model

<table>
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<th>Item</th>
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</thead>
<tbody>
<tr>
<td>Tyre model</td>
<td>23.5-25</td>
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</tbody>
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