



CED7507 Mining Excavator

The hydraulic excavator CED7507, which are based on design platform of the international cooperation and global purchasing of components, adopt the latest technology in the world to meet customer's desire for best performance. The machines have a streamlined appearance which is accepted by international customers, perfect performance, powerful digging force, high productivity and loading efficiency at low operation cost, more availability and long operation life. The powerful earth-moving excavators are applicable to the task of digging of soil grade I ~ IV , and loading of exploded rocks, such as road construction, municipal project, water power plant, handling of slag, etc.; The powerful mining excavators are suitable for different mines such as non-ferrous metal mine, building material mine, phosphate ore, strip mine and other stripping & loading operation in water power plant. The hydraulic excavator CED7507 has combined electric-hydraulic technology successfully; The operation cost is only 50-70% of that for excavator powered by diesel engine. So it is very applicable to the task of the exploiting and loading in all classes of mine, water and electricity construction on the site with convenience electric power.

Three phase-asynchronous electromotor, the only technology in China for hydraulic material handler powered by electricity, it is of benefit to environment protecting, power saving, easy service & maintenance, and low operating cost.

New dual electric brush and collector ring bring longer lifetime.

Shanghai Longji Construction Machinery Co., Ltd.

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Control of constant power of single pump, limited power of three pumps for reasonable distribution of electromotor power.

Starting with zero displacement so as to reduce the moment of resistance at starting.

Technique with pressure cut to protect hydraulic system and reduce the system heat.

Secondary overloading for swing and normal closed brake for swing and travel ensure smoothly brake.

Integrated oil& water cooler with compact conformation.

The working attachment realized automatic level crowding with bucket to increase the bucket filling factor.

Attachment designed by CAD, case shape and casting-welding structure realizing the high strength.

Automatic central lubrication two pumps of system by control of micro-electronics to save daily lubrication.

Better reliability with Parker hose & seals and Trelleborg cylinder seals.

The Technique with disassembled undercarriage which is advanced to transport the machine quickly.

Cab with fixed elevation and integrated is provided with large tri-dimensional ventilation, fresh air circulation, large capacity air condition without fluorine.

The operator's cab with the wide vision field and the streamlined appearance, matching the decoration and function with human nature, and offering the working environment in a car.

Machine weight	
With face shovel	75t
With backhoe	73t
Bucket capacity	
Face shovel(standard)	4.5m ³
Face shovel(range)	4.0~5.5 m ³
Backhoe(standard)	3.5 m ³
Standard(range)	2.3~5.0 m ³
Electromotor	
Model	YJK3555-4
Power/Speed	280/1485
Voltage	6000V
Hydraulic system	
Max. pressure of main oil circuit	32MPa
Max. flow of main oil circuit	2x415L/min
Operating style	Pilot control
Hydraulic oil tank capacity	780L
Performance	
Swing speed	6.0r/min
Travel speed	3.1km/h
Max. pulling force	457kN
Gradeability	70%

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Ground pressure	0.09 mpa
Circulating time of operation	20s
Working date	
Boom length(Face shovel)	4450mm
Boom length(Backhoe)	7000mm
Stick length(Face shovel)	2900mm
Stick length(Backhoe)	3400mm
Max. digging radius(Face shovel)	9280mm
Max. digging radius(Backhoe)	12290mm
Max. digging depth(Face shovel)	2680mm
Max. digging depth(Backhoe)	7741mm
Max. digging height(Face shovel)	9745mm
Max. digging height(Backhoe)	10286mm
Max. unloading height(Face shovel)	7680mm
Max. unloading height(Backhoe)	7340mm
Max. digging force of stick(Face shovel)	334mm
Max. digging force of stick(Backhoe)	233mm
Max. breakout force of bucket(Face shovel)	357mm
Max. breakout force of bucket(Backhoe)	285mm

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