



CED12507 Mining Excavator

The hydraulic excavator CED12507, 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 CED12507 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 &

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maintenance, and low operating cost.

New dual electric brush and collector ring bring longer lifetime.

Control with constant power of single pump, crossover power of two pumps for reasonably distributing and using the 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 strengt

Automatic central lubricating system to save daily lubrication

Multi-function meters show automatic illumination and detection of the various pressure ,temperature and oil level to have sound-light alarm

Better reliability with Parker hose &seals and Trelleborg cylinder seals

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

Cab 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	125t
With backhoe	116t
Bucket capacity	
Face shovel(standard)	6.5m ³
Face shovel(range)	6.0~8.0 m ³
Backhoe(standard)	5.0 m ³
Standard(range)	3.5~7.0 m ³
Electromotor	
Model	YJK4004-4
Power/Speed	450/1485
Voltage	600V
Hydraulic system	
Max. pressure of main oil circuit	32MPa
Max. flow of main oil circuit	2x522L/min
Operating style	Pilot control
Hydraulic oil tank capacity	1300L
Performance	
Swing speed	5.8r/min
Travel speed	2.4km/h

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Max. pulling force	713kN
Gradeability	70%
Ground pressure	0.127MPa
Circulating time of operation	22s
Working date	
Boom length(Face shovel)	5450mm
Boom length(Backhoe)	7800mm
Stick length(Face shovel)	3700mm
Stick length(Backhoe)	3400mm
Max. digging radius(Face shovel)	11332mm
Max. digging radius(Backhoe)	13405mm
Max. digging depth(Face shovel)	3330mm
Max. digging depth(Backhoe)	7315mm
Max. digging height(Face shovel)	11870mm
Max. digging height(Backhoe)	11529mm
Max. unloading height(Face shovel)	9400mm
Max. unloading height(Backhoe)	8958mm
Max. digging force of stick(Face shovel)	505mm
Max. digging force of stick(Backhoe)	416mm
Max. breakout force of bucket(Face shovel)	470mm
Max. breakout force of bucket(Backhoe)	550mm

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