



CED10007 Mining Excavator

The hydraulic excavator CED10007, 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 CED10007 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.

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New dual electric brush and collector ring bring longer lifetime.

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

Nitrogen dash control is the exclusive technology in domestic with a long cushion stroke and excellent shock absorbing capacity.

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	102t
With backhoe	100t
Bucket capacity	
Face shovel(standard)	6.0m ³
Face shovel(range)	5.5~7.5 m ³
Backhoe(standard)	5.0 m ³
Standard(range)	3.0~6.5 m ³
Electromotor	
Model	YJK4003-4
Power/Speed	400/1485
Voltage	6000V
Hydraulic system	
Max. pressure of main oil circuit	32MPa
Max. flow of main oil circuit	2×513L/min
Operating style	Pilot control
Hydraulic oil tank capacity	1300L
Performance	
Swing speed	6.1r/min

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Travel speed	2.4km/h
Max. pulling force	756kN
Gradeability	70%
Ground pressure	0.129MPa
Circulating time of operation	21.5s
Working date	
Boom length(Face shovel)	5250mm
Boom length(Backhoe)	7800mm
Stick length(Face shovel)	3500mm
Stick length(Backhoe)	3400mm
Max. digging radius(Face shovel)	10818mm
Max. digging radius(Backhoe)	13442mm
Max. digging depth(Face shovel)	2464mm
Max. digging depth(Backhoe)	7455mm
Max. digging height(Face shovel)	12884mm
Max. digging height(Backhoe)	12631mm
Max. unloading height(Face shovel)	9341mm
Max. unloading height(Backhoe)	8831mm
Max. digging force of stick(Face shovel)	515mm
Max. digging force of stick(Backhoe)	370mm
Max. breakout force of bucket(Face shovel)	505mm
Max. breakout force of bucket(Backhoe)	380mm

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