



CED4606 Mining Excavator

The hydraulic excavator CED4606, 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 CED4606 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 system by total power for double pumps & circuits with reasonable distributing and using of the power.

Confluence of two pumps for combined movements and increasing operating efficiency

Normal closed swing brake

Independent oil-cooling system with bigger area of dissipation and better heat radiation

Case shape structure, attachment designed by CAD and the casting-welding structure realizing the high strength structure.

Better reliability with Italy hose & seals and 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	46t
With backhoe	45t
Bucket capacity	
Face shovel(standard)	2.5 m ³
Face shovel(range)	2.0~2.5 m ³
Backhoe(standard)	2.0 m ³
Standard(range)	1.0~2.5 m ³
Electromotor	
Model	Y315M1-4
Power/Speed	132Kw/1480rpm
Voltage	380V
Hydraulic system	
Max. pressure of main oil circuit	27.40MPa
Max. flow of main oil circuit	2x250L/min
Operating style	Pilot control
Hydraulic oil tank capacity	650L
Performance	
Swing speed	7.1r/min
Travel speed	2.34km/h
Max. pulling force	295kN
Gradeability	70%
Ground pressure	0.083MPa
Circulating time of operation	16~19s

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Working date	
Boom length(Face shovel)	3950mm
Boom length(Backhoe)	6400mm
Stick length(Face shovel)	2600mm
Stick length(Backhoe)	2800mm
Max. digging radius(Face shovel)	8260mm
Max. digging radius(Backhoe)	11315mm
Max. digging depth(Face shovel)	2440mm
Max. digging depth(Backhoe)	7098mm
Max. digging height(Face shovel)	9240mm
Max. digging height(Backhoe)	9204mm
Max. unloading height(Face shovel)	6630mm
Max. unloading height(Backhoe)	5944mm
Max. digging force of stick(Face shovel)	243mm
Max. digging force of stick(Backhoe)	175mm
Max. breakout force of bucket(Face shovel)	230mm
Max. breakout force of bucket(Backhoe)	186mm

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