



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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