



Excavator

Excavator is also called digger. It is an earthmover which uses shovels to dig materials above or below the surface of the machine and loads them into transporting vehicles or unloads them into the stack yard. The materials dug are mainly soil, coal, silt, the soil and rocks which have been loosened before hand. The **excavator** is a product which has been developing relatively fast in recent years and it is also one of the major engineering machinery utilized in engineering construction.

The classification of **excavator** (digger):

1. They can be divided into crawler **excavator** and wheel **excavator** according to the way in which they walk.
2. They can be divided into hydraulic **excavator** (hydraulic digger) and mechanical **excavator** according to the way in which they transmit motion. The mechanical **excavator** is largely used in some large machinery.
3. They can be divided into general **excavator**, mining **excavator**, marine **excavator**, special **excavator** and some other kinds according to their functions.
4. They can be divided into face shovel **excavator** and backhoe **excavator** according to the shovels. The face shovel **excavator** is largely used in digging materials above the ground while the backhoe **excavator** is mainly used in digging materials below the ground.

Nowadays, the majority of the **excavators** belong to hydraulic **excavator** (hydraulic digger). World Equipment provides its clients with both the crawler hydraulic **excavator** and wheel hydraulic **excavator**. A hydraulic **excavator** (hydraulic digger) is mainly composed of the engine, the hydraulic system, working equipment, the traveling unit, the electric control and other parts.

The hydraulic system is made up of the hydraulic pumps, the control valve, the hydraulic cylinder, the

hydraulic motor, the pipeline and the oil tank. The electric control includes the control panel, the engine control system, sensors and the solenoid valve. A hydraulic **excavator** is generally made up of the working equipment, the rotating unit, and the swing motor.

The working equipment directly completes the digging process. It is composed of the swing arm, the shaft and the bucket. The rise and fall of the swing arm, the stretching out and the drawing back of the shaft, the rotation of the bucket are all controlled by a reciprocating double acting hydraulic cylinder. To meet with the different needs of various construction operations, the hydraulic **excavator** can be equipped with all kinds of devices used for digging, jacking, loading, leveling, grabbing, bulldozing and impacting.

The rotation and walking devices are the body of the hydraulic **excavator**. There is a power gear and a driving system in the top of the rotating platform. The engine is the source of power of the hydraulic **excavator**, which can be replaced by an electric motor.

The hydraulic driving system completes all kinds of operations by passing the engines' power to the hydraulic motor through the hydraulic pump so as to activate the working devices.

World Equipment is a professional manufacturer and supplier of hydraulic **excavators** (hydraulic diggers) in china. We offer EL160 wheel hydraulic **excavator** (16 Ton), EL210 wheel hydraulic **excavator** (20 Ton), E210 crawler hydraulic **excavator** (21 Ton), E239 crawler hydraulic **excavator** (23 Ton), E329 crawler hydraulic **excavator** (32 Ton) to the clients, which are five best-sellers of our company. Over more than 10 years, our products have been already exported to Europe, South America, Middle East, Southeast Asia and Africa. If you need **excavators** (diggers), we will provide a competitive price for you. Don't hesitate, please contact us.

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