

JU-1000 Hydraulic Wireline Core Drilling Rig

Application

The JU-1000Q core drilling machine is a brand new product which is developed and designed newly based on current thousand meters series of drilling machine.

It is suitable for drilling large dia. hole and small dia. hole core drilling with diamond bit and carbide bit, also suitable for engineering geology drilling, hydrogeology drilling, water well drilling and large dia. pile hole drilling. It has features of reasonable arrangement, good quality, light weight, big capability, wide performance and good exchangeability etc.

Main Features

1. The speed of the vertical shaft is fast, the rotating scope is wide, Besides suitable for high-speed diamond small caliber drilling, the drilling machine is also suitable for low-speed big torque and big caliber drilling;
2. The drilling machine is light, easy to dismantle, and can be divided into eight parts. The biggest part weights 218 kg. It is easy to move, suitable for working in mountainous area;
3. The windlass is strong, its planet gear adopts suspension arm support on the precondition of completely guaranteeing its intention; the structure is simple, easy to dismantle and maintain;
4. The frame of the drilling machine has great rigidity, the center of gravity is low, so the stability at high drilling speed is strong;
5. The drilling machine is matched with corresponding apparatus, which is favorable to master the condition. It has few operating handlers, and the layout is reasonable, so the operation is flexible and convenient;
6. The engine can choose electromotor or diesel engine according to demand. The drilling has strong anti-overloading capacity in drilling process;
7. The drilling machine has a combined frame configuration, easy to dismantle, so it can meet the construction demand in foothill.

Specification

Item	Data	
Engine	electric engine	37KW
	diesel engine	4102DBA68PS
Drilling depth	1000M NQ	
Rotating speed of vertical axis	1191-572/min	
Windlass Elevating capacity (single rope)	45KN	
Angel of drill bore	0~360°	
Feeding-in journey of vertical axis	600mm	
Diameter of vertical axis interior hole	68mm	
Piston journey of the portable machine device	400mm	
Lifting capacity of the vertical axis	80KN	
Clutch gearbox	Automobile clutch gearbox	

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Size of drilling machine	2640×1100×1750mm
Weight (not including impetus)	1600 Kg

Photos

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