



XY-44B core drilling rig

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Description

XY-44B type core drill is mainly adapted for core drilling with diamond bit or hard metal bit. It also can be used for engineering geological drilling, hydro-geological drilling, shallow oil and gas drilling, geothermal drilling and foundation engineering drilling, etc. This drilling rig has merits as following: ripe technique, reasonable structure, light weight, large ability, powerful, wide uses, high level in standardization.

Features

- rational structure, light weight, large capacity, versatile, stable performance, high reliability, high degree of standardization
- optional standard auto gearbox clutches, reliable performance, flexible operation, low cost accessories
- has more speed series (8 level) and reasonable speed range, low-speed torque (maximum of 4200N.m)
- double cylinder hydraulic feed, stroke length, vertical through-hole diameter(93mm), especially for large diameter drill pipe and coring
- drilling capacity, 71 and slowly rope core drill rated drilling depth 1000
- light weight, low center of gravity, compact, removable, good, reasonable layout, ease of maintenance, maintenance and repair, the host can be decomposed into 10 parts (maximum weight detachable parts 300kg), relocation easy, especially for the mountains, mining, tunnel work.
- hydraulic chuck clamping force, the use of bi- fuel and equipped with hydraulic lock, holding steady
- equipped with a water brake system, deep drilling, drill safe and stable
- with gear pump oil, power consumption, stable operation. System fitted with hand pumps, when the power machine does not work, can still play out the hole

with a hand pump drilling

- The shift from long (up to 460mm), fixed solid, high-speed drilling and good stability.
- using seismic instruments, instrument long life, the situation is conducive to grasp the hole. Manipulation of flexible and reliable
- the high degree of common aircraft with common parts of domestic rig XY series of more than 60%

Main specifications

Rod diameter		42mm	50mm	60mm	89mm
Drilling depth		1400m	1300m	950m	800m
Spindle speed	Low	82r/min; 151r/min; 243r/min;320r/min			
	High	265r/min;466r/min;745r/min;983r/min			
	Reverse speed	46r/min;143r/min			
Drilling angle		0-360 °			
Inner diameter of spindle		93mm			
Max. torque of spindle		4200N.m			
Spindle stroke		600mm			
Max. lifting force of spindle		120kN			
Max. thrust force of spindle		90kN			
Rated pressure of hydraulic system		8MPa			
Max. hoisting force(single rope)		45kN			
Frame shifting distance		460mm			
Power: electric motor		Y225S-4, 37Kw			
Diesel engine		R4105ZD1, 52Kw			
Overall dimensions(L*W*H)		3200mm*1100mm*1950mm			
Weight(without power unit)		2200kg			

