



BRIEF INTRODUCTION OF HW DTH DRILLING RIG

The down-the-hole drill rig is an impact rotary drill rig. Its internal structure is different from that of a general rock drill. Its gas distribution and piston reciprocating mechanism, that is, the impactor, are independent. The front end is directly connected to the drill bit, and the rear end is connected to the drill rod. During rock drilling, the impactor moves into the hole. Through the gas distribution device (valve), the piston (hammer body) in the impactor reciprocates to hit the bit shank, which makes the drill bit produce a whirl force on the rock at the bottom of the hole.

FEATURES

HW DTH drill rig is a new type of highly efficient and semi-mechanized rock drilling equipment. It features in simple structure, small size and light weight. It is widely used for drilling blast holes and anchor holes in open-pit and underground mining and engineering, which is convenient and flexible. DTH rigs are powered by electricity, with low noise and strong power. The drilling speed is 3-8 times that of ordinary rock drills. The ore drilled with the DTH rig with the Platts hardness of F=8-16 is of high drilling humidity. The drilling depth is about 8-16 meters per hour.

Main technical parameters of electric DTH drilling rig

Model	YQ70E	YQ100E
Drilling diameter(mm)	50-80	65-150
Drilling depth(m)	10-15	20-25
Drilling tool rotation speed(r/min)	112	90
Gas consumption(m ³ /min)	3.5-4.5	6-8
Propulsion cylinder diameter(mm)	90	150
Drill pipe(mm)	Φ42	Φ50/60
Motor(kw)	3/4level	4/4level
Host length and size(mm)	1524	2400
Host weight(kg)	148	224

Main technical parameters of pneumatic submersible drilling rig

Model	YQ70F	YQ100F
Drilling diameter(mm)	50-80	65-150
Drilling depth(m)	10-15	20-25
Drilling tool rotation speed(r/min)	70-90	68-85
Gas consumption(m ³ /min)	6-8	10-13
Propulsion cylinder diameter(mm)	90	150
Drill pipe(mm)	Φ42	Φ50/60
Motor power(kw)	3/4level	4/4level
Host length and size(mm)	1619	2400
Host weight(kg)	152	190

The above parameters are subject to change without notice

