



Hydraulic Crawler drilling rig
A7X

Introduction

The A7 hydraulic crawler rock blasting drilling rig is produced by Atlas copco's sub brand GIA,A7 crawler hydraulic DTH drilling rig powered by air compressor,the drilling rig is equipped with a high power hydraulic motor, the heavy-duty hydraulic drill arm and the main parts are from China famous brands, which guarantee the reliable quality of the drill, especially realize much less energy consumption of rolling fraction than that of sliding fraction and make the wear of sliding framework be lower.

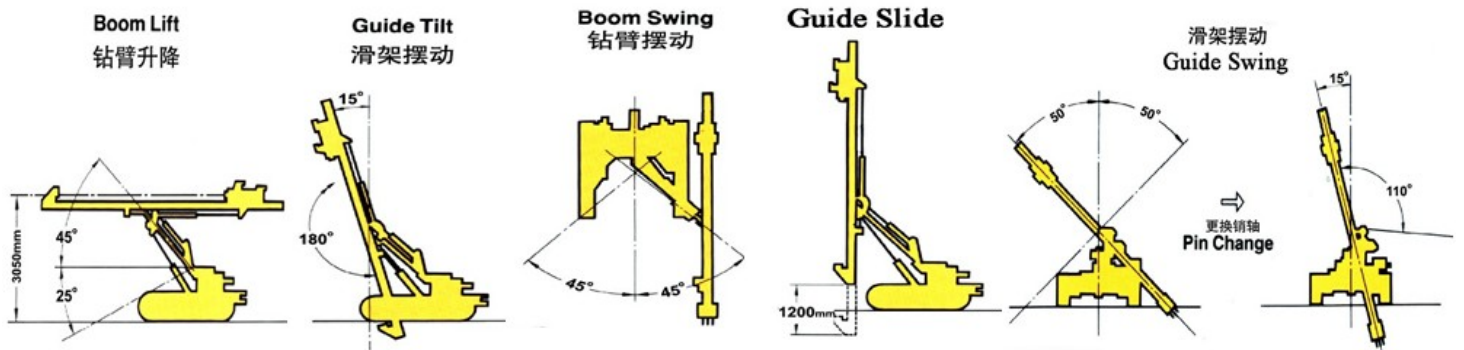
Characteristics

- 1.The Rugged track was driven by hydraulic motor with high traveling ability.
- 2.The feed and rotary head were driven by hydraulic motor, therefore, the air and oil consumption and total drilling cost are lower.
- 3.The hydraulic feed and rotary head put out the biggest feeding force and largest rotary torque, which makes it more suitable for operation in complex worksites.
- 4.The compressor equipped for the rig is smaller and cheaper than that one the air rig equipped, along with the best price-performance ratio than air rig.
- 5.The Hydraulic track oscillation makes it more suitable to drill in any rough terrain.
- 6.The carriage with rollers provides for minimal wear to the drill guide.
- 7.The Hydraulic auxiliary functions are easy and efficient for guide extension, boom swing, boom lift, guide tilt and guide dump.
- 8.The diesel engine and main hydraulic parts adopt imported products or famous domestic brand.
- 9.The special compensation device makes a full protection of drill rod threads.

Specification

Drilling Coverage			
1	Rock Hardness	F=6-20	
2	Hole Diameter	mm	90-165
3	Hole Depth	m	40
4	Drilling Rod Diameter	mm	60,76,89
Rotation			
5	Rotation Torque	Nm	3200
6	Rotation Speed	rpm	0-80
Feed System			
7	Drilling guide length	mm	6702
8	Feed method	Cylinder&Chain	
9	Feed stroke	mm	4000
10	Guide compensation	mm	1200
11	Max.feed force	kN	12
12	Max.Lifting force	kN	20
Boom&Guide			
13	Guide max.pitching angle	°	145
14	Guide max. Swing angle	°	Lift20,right91
15	Boom max.pitching angle	°	up50,down20
16	Boom max. Swing angle	°	left45,right45
Engine			
17	Manufacturer	YUCHAI	
18	Model	4D100-T310	
19	Rated Horse power	Kw	73.5
20	Electrical System	24	Volt
21	Cylinder	4	
Air Compressor required			
22	Air Consumption	M ³ /min	14-35m ³ /min
23	Working pressure	Bar	10-24
24	Compressor Type	Rotary Screw/Movable	
25	Compressor Pressure Required	Mpa	≥1.4
General Specification			
26	Max. Travel Speed	Km/h	3.5
27	Gradeability	°	25(Max.30)
28	Crawler floating angle	°	±10
29	Ground clearance	mm	360
30	Grouser Width	mm	324
31	Net Weight	kg	7600
32	Dimension(L*W*H)	mm	7372x2260x2800
Dust Collector			
33	Filter area	m ²	16
34	Filter quantity	Pcs	16
35	Pressure	bar	7

Ddrilling Coverage



Main Structure

Turning arm

Wide range activities turning arm structure,meet a variety of drilling angle requirement.

Drilling Guide

Feed system use cylinder&China structure high pull back capacity drilling guide,with the pulley positioning mechanism and anti-wear sliding mechanism to improve the stability of the rock drilling and

Hydraulic control system

Following the international first-class split drilling rig hydraulic control system,use world famous brand hydraulic components,simple operation,stable and reliable

Hydraulic walking crawler

Powerfulcrawler walking system is easy to handle on high speed moving and rugged surface environment.

With a safe walking amplitude console for safe walking and long distance

Hydraulic walking crawler

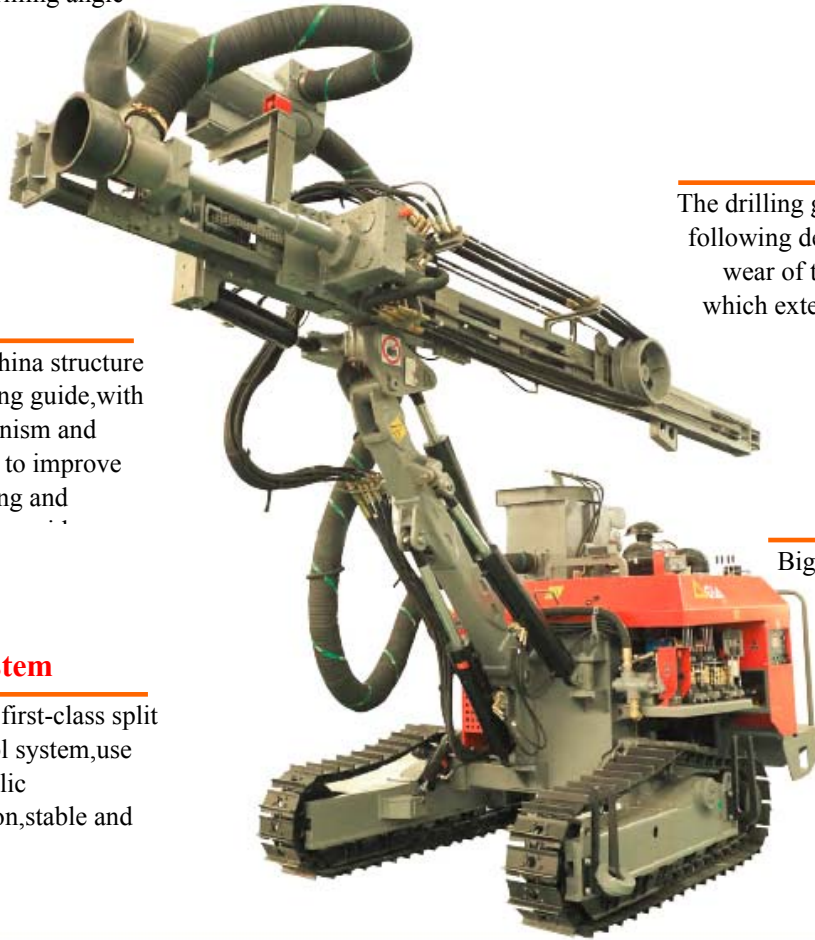
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Safety alarm device

With engine oil pressure, cooling temperature, engine failure alarm, battery charging indicator, emergency stop switch and reverse warning light and so on.

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Hose following device

The drilling guide is equipped with a Hose following device to effectively reduce the wear of the hose during the movement which extend the service life of the hose

Dust Collector

Big suck capacity hydraulic dust collector with high working efficiency,greatly improve working environment

Picture

