

FORWARD RC6 Water Well Drilling Rig

The main features

- The maximum diameter of drilling hole -600 mm (3-1/2"rod)
- The maximum hole depth – 400 m
- 3 types of drilling: mud drilling, air drilling, DTH drilling
- Maximum hoist capacity 28t
- Maximum spindle torque 14 000Nm
- Applicable drill rod range 2—5 in
- Full hydraulic drive, smooth and reliable operation for each drilling
- American hydraulic system
- Equipped with reliable clamping system, which can easily be adjusted for height
- Fast feed and lifting function reduce the time of drilling
- Crawler chassis guarantees high operation quality
- Self-loading system easy to control.

FORWARD

Drilling Methods:

- Direct/Reverse Circulation Mud Drilling
- Direct/Reverse Circulation Air Drilling
- DTH Drilling



Adjusting angle of mast 0-90° Easy to load the drill rod

The construction of power head helps to avoid damage to the rods' thread



Integral type mast, possible to use 6 m length drill rod



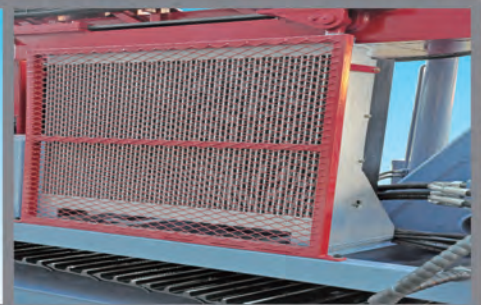
Loading-by-self system



Drilling Table



The crane set up on the top of the mast. The capacity of hoist is 2 ton.



Hydraulic oil cooler Independently



850 LPM mud pump



Clamping system can be adjusted for height



Standard excavator chassis, with South Korea imported motor

Technical characteristics

Track		
Moving Speed	Low speed	3 km/h
	High speed	4.5 km/h
Diesel engine		
Model	CUMMINS 6CTAA8.9turbocharged	
Power	360HP	
Type of cooling	Water cooling	
Rotation speed	2200rpm	
Cylinders quantity/capacity	6 / 8.9L	
Fuel tank capacity	220 L	
Drilling capability		
2-7/8 in drill rod	909m	
3- 1/2 in drill rod	600m	
4-1/2 in drill rod	456m	
Mast		
Mast Height (fully extended)	12m	
Power head distance (stroke)	10 100mm	
Applicable drill rod	Diameter 50-127mm, Length 10 m	
Push and pull ability of power head		
Maximum hoist capacity (up)	280kN	
Maximum hoist capacity (down)	110 kN	
Maximum hoisting speed	30 m/min	
Hoisting speed	Full load 15m/min	
Rotation		
Gears	2	
Low speed	0 ~ 60rpm	14 000Nm
High speed	0 ~ 120rpm	7 000Nm
Adjusting angle of mast	0-90°	
Hoist crane at the top		
Maximum hoist capacity	20 kN	
Diameter of steel wire rope	8 mm	
Length of steel wire rope	45 m	
Untwisting system		
Applicable drill rod	50-127mm	
Maximum torque	40 000 Nm	
Dimensions and weight		
Dimensions in operation	6.84*2.8*12m	
Dimension in transportation	12,2*2.2*2.9 m	
Weight	19 000 kg	

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