

# **FORWARD**

## **FORWARD RC2 Water Well Drilling Rig**

### **The main features**

- The maximum diameter of drilling hole 350mm
- The maximum hole depth - 270 m
- 3 types of drilling: mud drilling, air drilling, DTH drilling
- Maximum hoist capacity 62Kn
- Maximum spindle torque 3 500 Nm
- Applicable drill rod range 2—3-1/2 in
- Full hydraulic drive, smooth and reliable operation for each drilling
- High quality hydraulic system
- Equipped with reliable clamping system, which can easily be adjusted for height
- Fast feed and lifting function reduce the time of drilling
- The fold mast ensures the reliability of drilling
- Moving fast
- Easy to set up



**MADE BY FORWARD**



## Application

Used for:

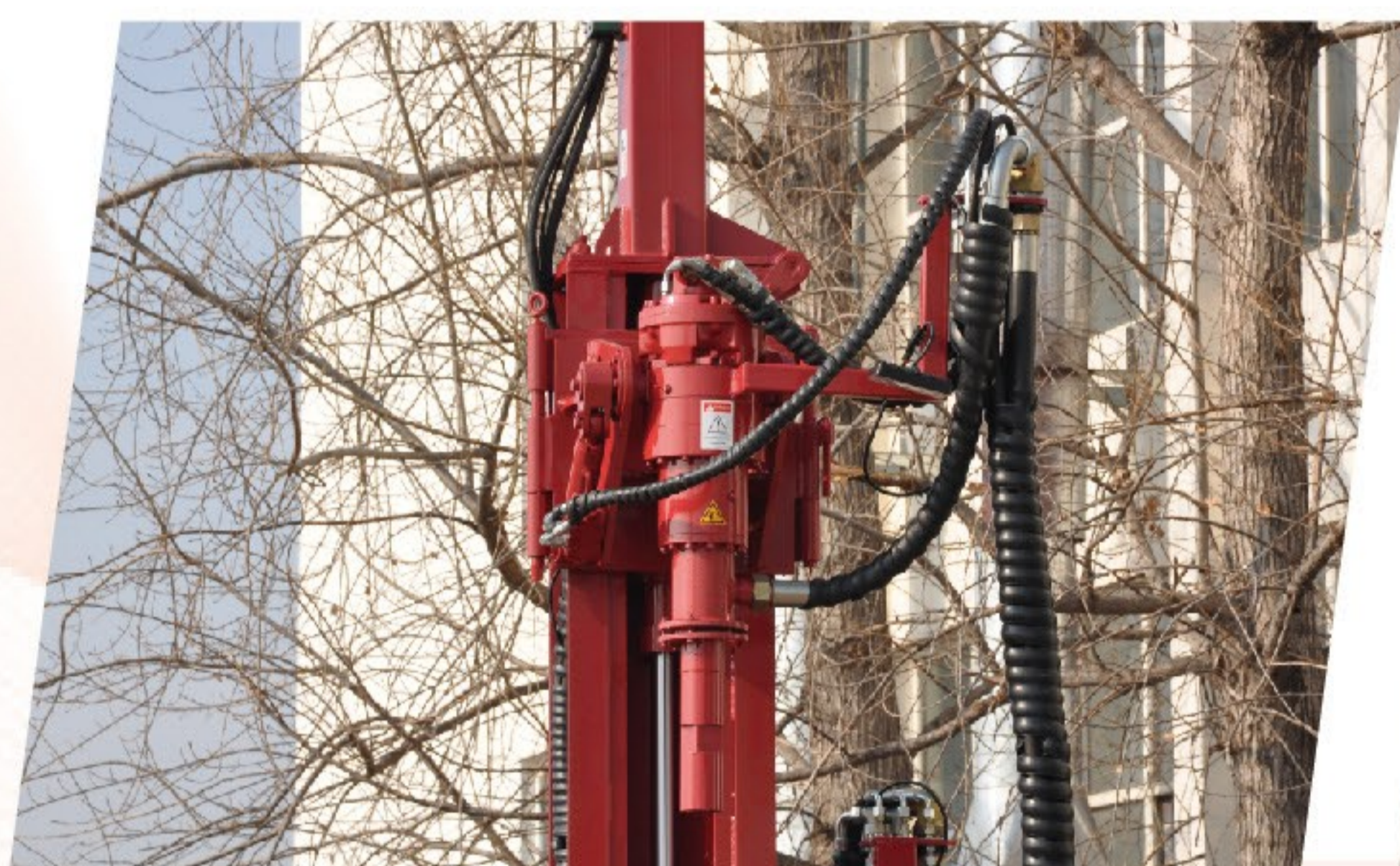
- Direct/Reverse Circulation Mud Drilling
- Direct/Reverse Circulation Air Drilling
- DTH Drilling



Fold mast, possible to lift 6 m length drill rod



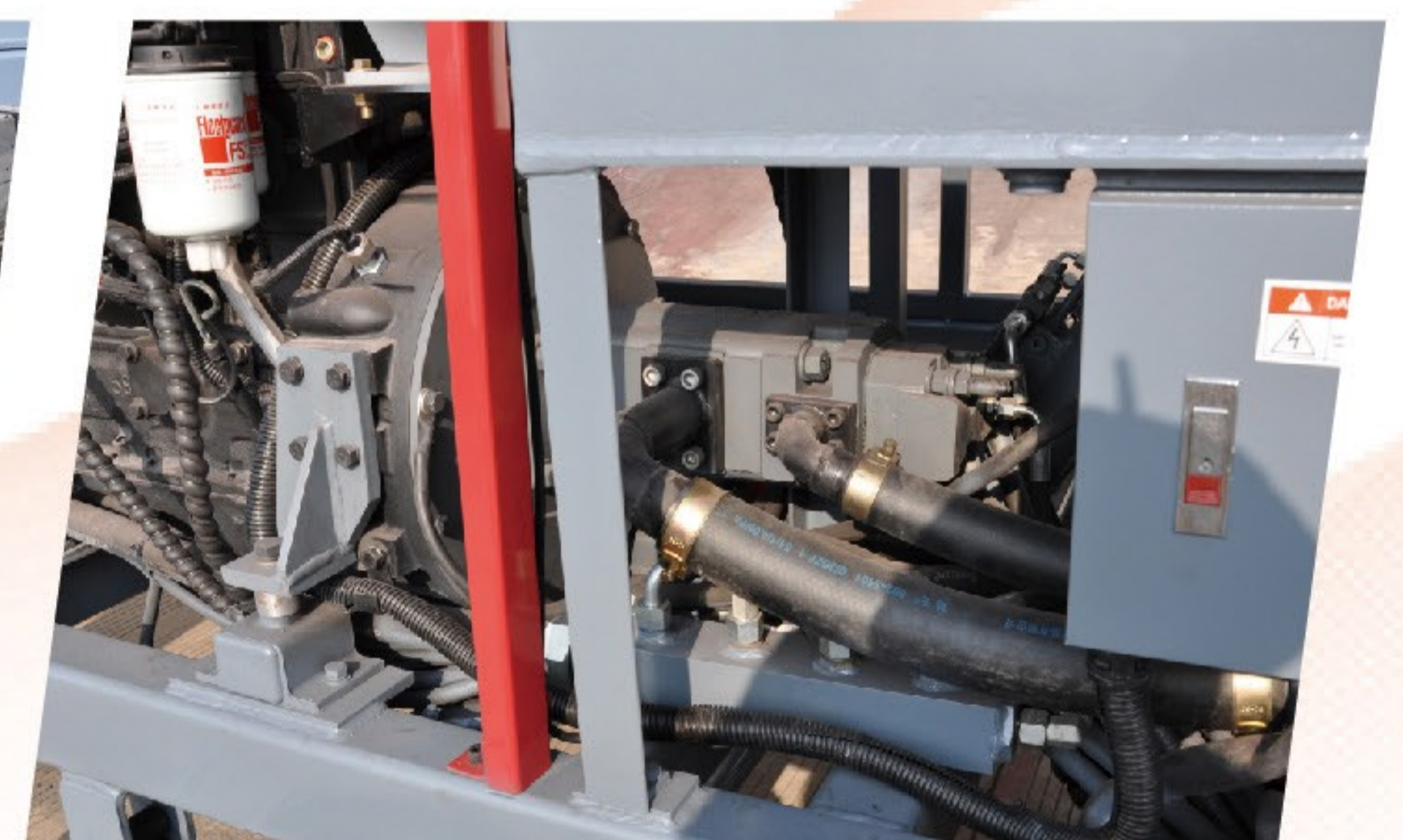
Tilt power head, easy to load the drill rod



Powerful power head, top drive different rod, with big diameter core water swivel.



Strong carriage



High quality hydraulic system.



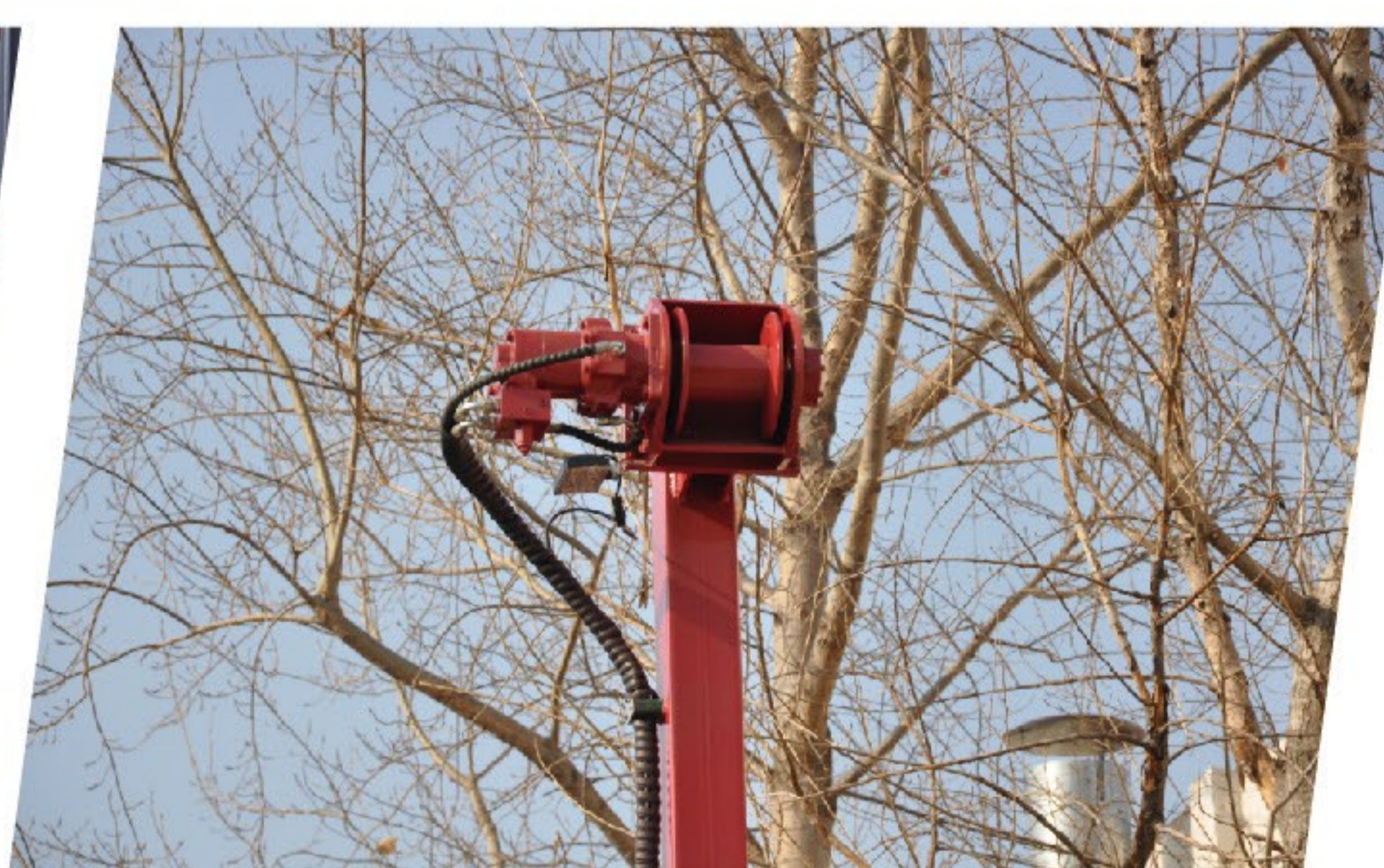
Comfortable operating panel, easy to operating.



Rod box



The mud pump be equipped, also air compressor also be chose.



The capacity of hoist is 23 KN.



Clamping system can be adjusted for height



## Technical characteristics

Track		
Moving Speed	50 km/h	
Diesel engine		
Model	CUMMINS 4BT turbocharged	
Power	60 kW	
Type of cooling	Water cooling	
Rotation speed	2200 rpm	
Cylinders quantity/ capacity	4 / 3.9 L	
Fuel tank capacity	135 L	
Drilling capability		
2-7/8 in drill rod	270 m	
3- 1/2 in drill rod	210 m	
Mast		
Mast Height	6.67 m	
Stroke of Power head travel	2 600 mm	
Stroke of mast slip	500 mm	
Applicable drill rod	Diameter 50-102mm, Length 2m	
Push and pull ability of power head		
Maximum hoist capacity (up)	62 kN	
Maximum hoist capacity (down)	23 kN	
Maximum hoisting speed	33 m/min	
Rotation		
Rotation speed	0~100 rpm	3 500 Nm
Adjusting angle of mast	0-90°	
Hoist crane at the top		
Maximum hoist capacity	23 kN	
Diameter of steel wire rope	10 mm	
Length of steel wire rope	22 m	
Untwisting system		
Applicable drill rod	50-102 mm	
Maximum torque	16 000 Nm	
Dimensions and weight		
Dimensions in operation	5 104 x 2 200 x 6 677 mm	
Dimension in transportation	5 104 x 2 200 x 2 446 mm	
Weight	4 300 kg	



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