

## 性能特点

采用双动臂变幅机构和旋挖钻机专用H型液压伸缩式履带底盘，装备大直径回转支承，保证了超强的稳定性和运输的便捷性；

采用康明斯发动机，动力强劲，拥有三档功率控制，用户可根据工况选择相应档位，实现一台钻机发挥三台发动机的功效，优化的三挡功率曲线，有效降低了燃油消耗和使用成本；

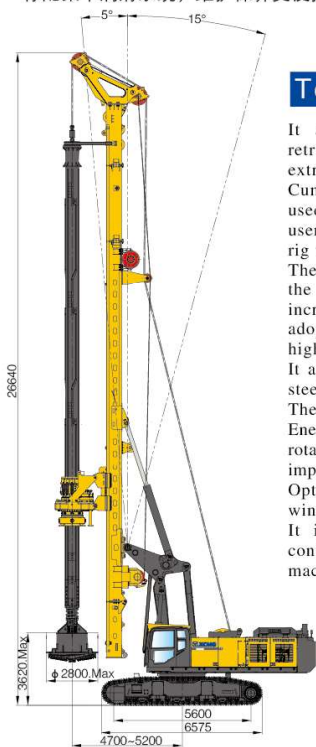
液压系统采用负荷传感技术，叠加总功率控制与极限功率控制技术，使液压系统效率更高，更节能，采用三合一组合散热器系统，结构紧凑、散热效率高；

徐工专有的单排绳主卷扬结构，有效的解决了钢丝绳“咬绳”问题，大大延长了钢丝绳的使用寿命；

动力头拥有普通模式、入岩模式和节能模式，用户可根据不同地质情况选择相应模式，提高了施工效率和降低了燃油消耗；

多种配置：可选配卷扬加压、套管驱动等，扩展性好；

标配集中润滑系统，维护保养更便捷，提高工作可靠性。



## Technical Characteristics

It adopts double-boom luffer and H-style. Dedicated hydraulic retractable crawler chassis and large diameter slewing bearing to provide extraordinary stability and transport convenience;

Cummins electric control turbo-supercharged with three gears engine is used, it has strong power. According to specific working conditions, the users can select a corresponding gear of the engine, getting the drilling rig working as three engines.

The main hydraulic system adopts the negative flow control, and adopts the main power control and limit power control together which can increase the system efficiency and make the most of the engine power. It adopt three-in-one cooling system which is tightly packed and has a high-efficiency in cooling.

It adopts the single-rope for main winch to figure out the wear of the steel rope, and extend the life-span.

The rotary drive can switch from Normal Mode, Rock Mode and Energy-Saving Mode, the user can select a corresponding mode of the rotary drive according to the specific working conditions, which can greatly improve the working efficiency and lower the fuel consumption.

Optional configuration according to customers' requirement, E.g: Crowd winch, Outrigger cylinder, Sleeve-driven and so on.

It is equipped with a centralized lubrication system as standard configuration to provide more convenient maintenance and make the machine a good reliability.

## 主要技术参数

## Main Technical Specification

| 参数名称 Type                                      | 单位 Unit                             | 参数 Parameter                      |                      |
|--|-------------------------------------|-----------------------------------|----------------------|
| 最大钻孔直径 Max. drilling diameter                  | m                                   | $\phi 2.8/\phi 2.5^*$             |                      |
| 钻杆配置/钻深 Kelly bar configuration/drilling depth | m                                   | JS530-4 × 17.0/61 ( 标配 Standard ) |                      |
|  |                                     | JS530-4 × 19.0/69 ( 选配 Optional ) |                      |
|  |                                     | MZ530-5 × 19.0/87 ( 选配 Optional ) |                      |
|  |                                     | JS575-4 × 17.0/60 ( 选配 Optional ) |                      |
| MZ530-6 × 19.0/103 ( 特配 Special )              |                                     |                                   |                      |
| 发动机 Engine                                     | 型号 Model                            | /                                 |                      |
|  | 功率 Power                            | kW                                | 373                  |
| 动力头 Rotary drive                               | 最大输出扭矩 Max. output torque           | kN · m                            | 400                  |
|  | 转速 Rotary speed                     | r/min                             | 7-25                 |
| 加压油缸 Crowd cylinder                            | 最大加压力 Max. pull-down piston push    | kN                                | 300                  |
|  | 最大提升力 Max. pull-down piston pull    | kN                                | 400                  |
|  | 最大行程 Max. pull-down piston stroke   | m                                 | 6                    |
| 加压卷扬 Crowd winch                               | 最大加压力 Max. pull-down piston push    | kN                                | 400                  |
|  | 最大提升力 Max. pull-down piston pull    | kN                                | 400                  |
|  | 最大行程 Max. pull-down piston stroke   | m                                 | 18                   |
| 主卷扬 Main winch                                 | 最大提升力 Max. pulling force            | kN                                | 370                  |
|  | 最大卷扬速度 Max. speed                   | m/min                             | 60                   |
| 副卷扬 Auxiliary winch                            | 最大提升力 Max. pulling force            | kN                                | 100                  |
|  | 最大卷扬速度 Max. speed                   | m/min                             | 65                   |
| 钻桅倾度 Mast inclination                          | 侧向/前倾/后倾 Lateral/forwards/backwards | °                                 | $\pm 5/4/15$         |
|  | 最大行走速度 Max. traveling speed         | km/h                              | 1.3                  |
| 底盘 Undercarrige                                | 最大爬坡度 Max. grade ability            | %                                 | 35                   |
|  | 最小离地间隙 Min. clearance               | mm                                | 450                  |
|  | 履带板宽度 Track shoe width              | mm                                | 800                  |
|  | 履带最大总宽 Distance between tracks      | mm                                | 3500-4900            |
| 液压系统 Hydraulic system                          | 工作压力 Working pressure               | MPa                               | 32                   |
| 整机质量 Overall weight                            | t                                   | 118                               |                      |
| 外形尺寸 Dimension                                 | 工作状态 Working condition              | mm                                | 10995 × 4900 × 26640 |
|  | 运输状态 Transportation condition       | mm                                | 20755 × 3500 × 3910  |

注：带“\*”的参数为卷扬加压配置对应参数。

Parameters with “\*” refer to the ones of crowd winch configuration.