

# XR220D 旋挖钻机 XR220D Rotary Drilling Rig

## XR系列 旋挖钻机

XR Series Rotary Drilling Rig

### 性能特点

采用单层绳主卷扬，有效解决钢丝绳磨损问题，提高钢丝绳使用寿命。

安装了红外摄像头，在驾驶室就能昼夜观察主卷钢丝绳使用情况。

可根据用户要求进行多种配置（如：支腿油缸，自动回转，卷扬加压系统），扩展性好。

选用进口康明斯电控涡轮增压发动机，满足欧Ⅲ排放标准，节能环保，动力强劲。

液压系统采用极限功率控制和正流量控制，使液压系统效率更高，更加节能。

拥有专利的平行四边形变幅机构，实现了大范围的工作区域，钻桅设计为高强材质的箱形结构，较高的强度与刚性，可有效保证钻孔精度。

整机通过德国莱茵公司欧盟CE认证。  
标配集中润滑系统，维护保养更便捷。

### Performance Characteristics

The machine adapt single row rope for main winch to figure out the wear of steel rope, and extend the life-span.

With infrared camera for observing main winch, Manipulator can observe the state of steel rope at day and night in cab.

Optional configuration according to customers' requirement (Eg: support cylinder, automatic positioning of slewing, Croed Winch tyro) Excellent expansibility.

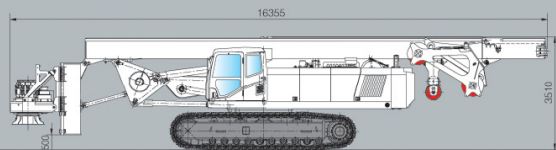
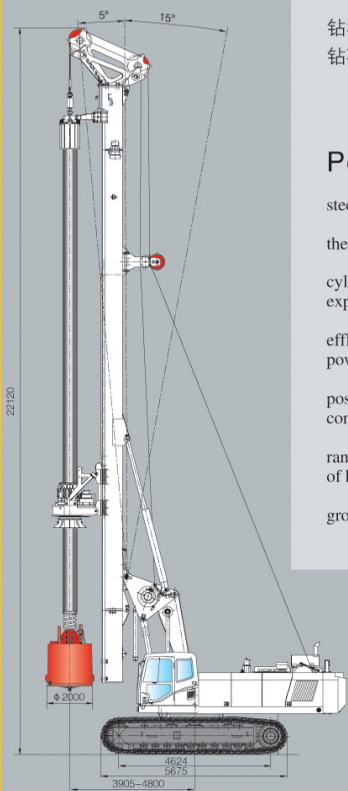
Adopting the imported supercharged CUMMINS engine with European III effluent standard. Meet environmental protection and energy conservation. Super power.

With the hydraulic pressure system adopted threshold power control and positive flow control, the system acquired high efficiency and higher energy conservation.

The patented parallelogram articulated structure actualizes a wider work range. The highly strengthened box-type steel structure design makes the mast of highly-rigidity and anticontored, therefore the drill accuracy is heightened.

The complete machine has passed CE certification of TÜV Rheinland group.

Standard centralized lubricating system, allowing easier maintenance.



### XR220D 旋挖钻机主要技术参数

Main Technical Data of XR Series Multi-functional Combined Rotary Drilling Rig

| 主要技术参数 Main Technical Specification             |                                      |                                   |                      |
|---|--------------------------------------|-----------------------------------|----------------------|
| 发动机<br>Engine                                   | 型号 Model                             |                                   | CUMMINS QSL-325      |
|   | 额定功率 Rated Power                     | kW                                | 242                  |
| 动力头<br>Rotary Drive                             | 最大输出扭矩<br>Max. output torque         | kN·m                              | 220                  |
|   | 转速 Rotary speed                      | r/min                             | 7-22                 |
| 最大钻孔直径 Max. Drilling Diameter                   |                                      | mm                                | φ2000                |
| 最大钻孔深度 Max. Drilling Depth                      |                                      | m                                 | 67, 特配80             |
| 加压油缸<br>Pull-Down<br>Cylinder                   | 最大压力<br>Max. pull-down piston push   | kN                                | 200                  |
|   | 最大提升力<br>Max. pull-down piston pull  | kN                                | 200                  |
|   | 最大行程<br>Max. pull-down piston stroke | m                                 | 5                    |
| 加压卷扬<br>Crowd Winch                             | 最大加压力<br>Max. pull-down piston push  | kN                                | 200                  |
|   | 最大提升力<br>Max. pull-down piston pull  | kN                                | 210                  |
|   | 最大行程<br>Max. pull-down piston stroke | m                                 | 15                   |
| 主卷扬<br>Main Winch                               | 最大提升力<br>Max. Pulling force          | kN                                | 230                  |
|   | 最大卷扬速度<br>Max. line speed            | m/min                             | 70                   |
| 副卷扬<br>Auxiliary Winch                          | 最大提升力<br>Max. Pulling force          | kN                                | 80                   |
|   | 最大卷扬速度<br>Max. line speed            | m/min                             | 60                   |
| 钻桅倾度 Mast Rake 侧向/前倾/后倾 Side/forwards/backwards |                                      |                                   | ± 4° / 5° / 15°      |
| 底盘<br>Undercarriage                             | 最大行走速度<br>Max. traveling speed       | km/h                              | 1.5                  |
|   | 最大爬坡度<br>Max. grade ability          | %                                 | 35                   |
|   | 最小离地间隙<br>Min. Clearance             | mm                                | 468                  |
|   | 履带板宽度 Track shoe width               | mm                                | 800                  |
|   |                                      | 履带最大总宽<br>Distance between tracks | 3500-4400            |
| 液压系统<br>Hydraulic System                        |                                      | 工作压力 Working pressure             | Mpa 35               |
| 整机工作质量 Overall Drilling Weight                  |                                      | t                                 | 70                   |
| 外形尺寸<br>Dimension                               | 工作状态 Working condition               | mm                                | 10260 × 4400 × 22120 |
|   | 运输状态 Transportation condition        | mm                                | 16355 × 3500 × 3510  |



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