

KG590/KG590H型露天潜孔钻车

KG590/KG590H Surface DTH Drilling Rig



KG590/KG590H型露天潜孔钻车是应国家对柴油机排放要求进行升级的一款设备。配备有玉柴非道路四缸发动机，满足国家对排放和环保的要求。采用折边履带架和工程四轮一带，履带调平，柱塞行走马达，提高工作压力，增加其爬坡性能。增大俯仰和举臂油缸，满足其极限位置使用要求。增大回转扭矩和转速，采用推进马达和链条推进提升，提高提升力和可靠性。加大集尘器，提高吸尘效果。罩壳采用加厚型材折边，增加其强度和刚性。增加起吊吊环，方便装卸吊装。

The KG590/KG590H surface DTH drilling rig is an improved device in compliance with national regulations on diesel-engine emissions. Equipped with the Yuchai four-cylinder engine, the drill rig meets national standards for emissions and environment. The folding frame track and four-wheel drive are adopted; and track leveling and the walking motor of plunger piston improve the working pressure and climbing capacity. The expanded pitch and lifting-arm hydraulic cylinder enable it to meet the requirements of limiting position. The rotary torque and revolving speed are raised; the propulsion motor and chain are used to raise the lifting force and reliability. The dust collector is enlarged to produce a better effect on dust collection. The thickened profile folder is used for the housing, thus improving its level of intensity and rigidity; and the additional ring makes handling and lifting convenient.

KG590H型露天潜孔钻车增加集尘器，工作时更环保、可靠。

The KG590H surface DTH drilling rig is equipped with a dust collector, thus making operation more environment-friendly and reliable.



▲ **KG590H型 露天潜孔钻车**
 KG590H surface DTH drilling rig

技术参数 / Technical Parameters

| 参数 / Parameter | KG590 | KG590H |
|---|--|------------------|
| 钻车型号 / Model of drill rig | KG590 | KG590H |
| 整机重量 / Weight of complete machine | 7200KG | 7500KG |
| 外形尺寸 / Outer dimensions | 7100×2300×2700mm | 7100×2500×2700mm |
| 凿岩硬度 / Drilling hardness | f=6-20 | |
| 钻孔孔径 / Drilling diameter | Φ105-152mm | |
| 经济钻深 / Depth of economical drilling | 25m | |
| 回转转速 / Rotary speed | 0-100rpm | |
| 最大回转扭矩 / Rotary torque (Max) | 5000N·m (Max) | |
| 提升力 / Lifting force | 25KN | |
| 推进方式 / Method of Feed | 马达+滚子链 / Motor+roller chain | |
| 推进行程 / Feed stroke | 4150mm | |
| 行走速度 / Travelling speed | 0-3.5km/h | |
| 爬坡能力 / Climbing capacity | ≤30° | |
| 离地间隙 / Ground clearance | 440mm | |
| 滑架俯仰角度 / Tilt angle of Beam | 俯135°仰50°共185°/Down: 135°, up: 50°, total: 185° | |
| 滑架摆动角度 / Swing angle of boom | 左50°右50°共100°/Left: 50°, right: 50°, total: 100° | |
| 钻臂俯仰角度 / Pitch angle of drill boom | 俯50°仰25°共75°/Down: 50°, up: 25°, total: 75° | |
| 钻臂摆动角度 / Swing angle of drill boom | 左45°右45°共90°/Left: 45°, right: 45°, total: 90° | |
| 履带调平角度 / Leveling angle of track | ±10° | |
| 滑架补偿长度 / Compensation length of beam | 1200mm | |
| 配套动力 / Supporting power | 玉柴YC4DK100-T304 (73.5KW/2200r/min) / Yuchai YC4DK100-T304 (73.5KW/2200r/min) | |
| 冲击器 / DTH hammer | 4吋、5吋 / 4"、5" | |
| 钻杆 / Drilling rod | Φ76×3m或Φ89×3m / Φ76×3m or Φ89×3m | |
| 耗风量 / Air consumption | 15-22m³/min | |
| 最高水平孔高度 / Maximum height of horizontal hole | 3500mm | |
| 最低水平孔高度 / Minimum height of horizontal hole | 350mm | |



备注：图片仅供参考
 Pictures for reference only, subject to our available products.

▲ 配套空压机方案推荐 / Recommended Air Compressors

- 柴油移动型螺杆压缩机: KP650-15/18 YC
 KP750-18/21 YC
 KM800-17/20 YC
- Diesel engine portable screw air compressor: KP650-15/18 YC
 KP750-18/21 YC
 KM800-17/20 YC

注：根据孔径大小及空气管路远近选配空压机
 Note: Air compressor selection subject to hole diameter and air hose length