

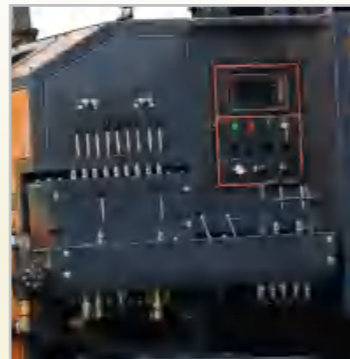
KT7C型一体式露天潜孔钻车

KT7C Integrated Surface DTH Drilling Rig



KT7C型一体式露天潜孔钻车是将潜孔钻凿系统和螺杆空气压缩系统融为一体的钻凿设备，可钻凿垂直、倾斜和水平孔，用于露天矿山和石方工程钻凿爆破孔和预裂孔等。配有玉柴非道路柴油机及高效集尘系统，满足国家对排放和环保的要求。具有节能高效、安全环保、机动灵活、操作方便、性能稳定等特点。

The KT7C integrated surface DTH drilling rig is an advanced drilling device integrating the down the hole drilling system and screw air compressor system, It is capable of drilling vertical, inclined and horizontal holes, mainly used for open-pit mine, stonework blast holes and pre-splitting holes. Equipped with the Yuchai Engine and efficient dust collection system, the drill rig meets national standards for emissions and environment. It is typical of energy conservation, efficiency, safety, environment-friendliness, flexibility, simple operation and stable performance, etc.



技术参数 / Technical Parameters

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| 凿岩硬度 /Drilling hardness | f=6-20 |
| 钻孔直径 /Drilling diameter | 90-135 mm |
| 经济凿孔深度 /Depth of economical drilling | 25 m |
| 行走速度 /Travelling speed | 0-3km/h |
| 爬坡能力 /Climbing capacity | ≤25° |
| 离地间隙 /Ground clearance | 330 mm |
| 整机功率 /Power of complete machine | 176 kW / 2200r/min |
| 柴油机 /Diesel engine | 玉柴YCA07240-T300 /Yuchai YCA07240-T300 |
| 螺杆机 /Screw compressor | 两级压缩15 m ³ /min /18 bar (Two stage compression15 m ³ /min /18 bar) |
| 外形尺寸 (长×宽×高) /Outer dimensions (L×W×H) | 8000×2350×2700 mm |
| 重量 /Weight | 9500 kg |
| 回转器转速 /Rotation speed of gyrotor | 0-110 r/min |
| 最大回转扭矩 /Rotary torque (Max) | 2500N·m (Max) |
| 最大推拉力 /Maximum push-pull force | 25000 N |
| 钻臂举升角度 /Lifting angle of drill boom | 向上48°向下16°/Up 48°, down 16° |
| 滑架俯仰角度 /Tilt angle of beam | 147° |
| 滑架摆角 /Swing angle of carriage | 向右53°向左52°/Right 53°, left 52° |
| 钻臂摆角 /Swing angel of drill boom | 向右50°向左58°/Right 50°, left 58° |
| 车架调平角度 /Leveling angle of frame | 向上10°向下10°/Up 10°, down 10° |
| 一次推进长度 /One-time advance length | 3000 mm |
| 补偿长度 /Compensation length | 900 mm |
| 冲击器 /DTH hammer | 3吋、4吋/ 3"、4" |
| 钻杆 /Drilling rod | φ64/76×3000mm |
| 捕尘方式 /Method of dust collecting | 干式 (液压驱动旋风层流式) /Dry type (hydraulic cyclonic laminar flow) |

