

KT7D型一体式露天潜孔钻车

KT7D Integrated Surface DTH Drilling Rig



KT7D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、高强度铝合金推进梁、自动接卸杆系统、钻杆润滑模块及高效集尘系统，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 KT7D 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, high strength aluminum alloy propulsion beam, automatic rod handling system, drill pipe lubrication module 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

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	24 m
行走速度 /Travelling speed	0-3km/h
爬坡能力 /Climbing capacity	≤25°
离地间隙 /Ground clearance	430 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 compression 15 m ³ /min /18 bar)
外形尺寸 (长×宽×高) /Outer dimensions (L×W×H)	8000×2300×2700 mm
重量 /Weight	10000 kg
回转器转速 /Rotation speed of gyrotor	0-180 r/min
最大回转扭矩 /Rotary torque (Max)	1560N·m (Max)
最大推拉力 /Maximum push-pull force	22000 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 angle 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	3590 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
容杆数量 /Number of rods	7+1
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)
接杆方式 /Method of extension rod	自动接卸杆 /Automatic unloading rod
钻杆润滑方式 /Method of drilling rod lubrication	自动喷油润滑 /Automatic oil injection and lubrication

