

KT9D型一体式露天潜孔钻车

KT9D Integrated Surface DTH Drilling Rig



KT9D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。以玉柴非道路柴油机为单一动力，通过两端输出的方式同时带动螺杆压缩系统和液压传动系统；钻车配有自动接卸杆系统、钻杆润滑模块、防卡钻系统、液压干式集尘系统等。钻车具有整体性好、自动化程度高、凿岩效果好、环保节能、操作方便、机动灵活、行驶安全等特点。

The KT9D 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. It is driven by the Yuchai diesel engine and the two-terminal output can drive the screw compression system and hydraulic transmission system. The drill rig is equipped with the automatic rod handling system, drill pipe lubrication module, drill pipe sticking prevention system, hydraulic dry dust collection system, etc. The drill rig is characterized by excellent integrity, high automation, efficient drilling, environment-friendliness, energy conservation, simple operation, flexibility and travelling safety, etc.



技术参数 / Technical Parameters

凿岩硬度 /Drilling hardness	f=6-20
钻孔直径 /Drilling diameter	Φ115-165 mm
经济凿孔深度 /Depth of economical drilling	24 m
容杆数量 /Number of rods	7+1
行走速度 /Travelling speed	0-3.5 km/h
爬坡能力 /Climbing capacity	≤25°
离地间隙 /Ground clearance	430 mm
整机功率 /Power of complete machine	295kW/1900r/min
柴油机 /Diesel engine (choose)	玉柴YCK09400-T300/Yuchai YCK09400-T300
螺杆机 /Screw compressor	两级压缩20 m³/min /22 bar
外形尺寸 (长×宽×高) /Outer dimensions (L×W×H)	8670×2300×3200 mm
重量 /Weight	13000 kg
回转器转速 /Rotation speed of gyrotor	0-100 r/min
最大回转扭矩 /Rotary torque (Max)	4000 N·m (Max)
最大推拉力 /Maximum push-pull force	25KN
推进方式 /Method of propulsion	马达+滚子链 /Motor+roller chain
钻臂举升角度 /Lifting angle of drill boom	向上50°向下20° /Up 50°, down 20°
滑架俯仰角度 /Tilt angle of beam	120°
滑架摆角 /Swing angle of carriage	向右48°向左47° /Right 48°, left 47°
钻臂摆角 /Swing angel of drill boom	向右41°向左59° /Right 41°, left 59°
车架调平角度 /Leveling angle of frame	±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	5吋 / 5"
钻杆 /Drilling rod	Φ76×3000 mm
捕尘方式 /Method of dust collecting	干式 (液压驱动旋流层流式) /Dry type (hydraulic cyclonic laminar flow)

