

KG420TF型光伏潜孔钻车

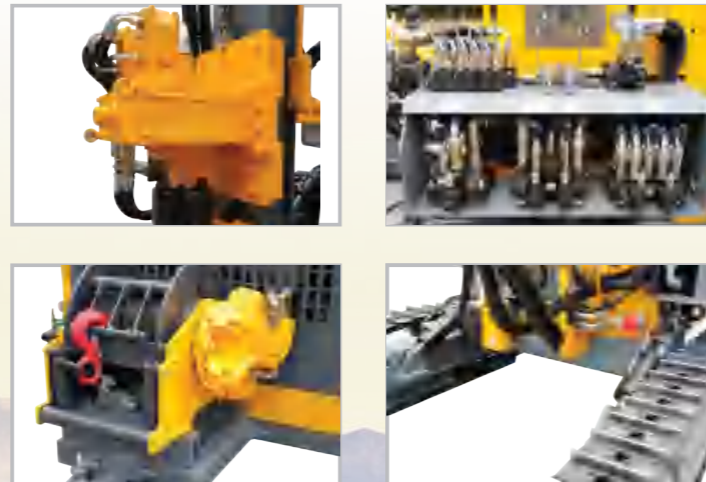
KG420TF Photovoltaic Drilling Rig



KG420TF型光伏潜孔钻车配备玉柴四缸发动机、一体式控制器，实时监控钻车运行参数。采用折边履带架和工程四轮一带，履带调平，加强型柱塞行走马达，提高工作压力，增加其爬坡性能。滑板压条采用耐磨材料，保证滑架使用寿命；大减速比的双马达回转器为钻车提供高达4000Nm以上的回转扭矩；油缸配套20A滚子链条推进，大大提升了钻孔操纵的可靠性；同时对液压系统进行升级，采用高强度大排量铸铁齿轮泵，保证产品质量，并且具有使用寿命长、产品性能稳定的优势；罩壳采用加厚型材，增加起吊吊环，方便装卸吊装。该机可广泛使用在较大孔径光伏基桩、水电工程、露天采矿、道路修建等施工工地钻凿爆破孔作业。

The KG420TF photovoltaic drilling rig is equipped with a Yuchai four-cylinder engine and an integrated controller for real-time monitoring of operating parameters. The folding frame track and four-wheel drive are adopted and track leveling and the enhanced piston walking motor to increase working pressure and climbing capacity.

Wear-resistant materials are used in the sliding pressure strip to ensure the service life of the frame. The double motor rotary head with a large reduction ratio provides a rotary torque of over 4000 Nm for the rig. And the cylinder is equipped with a 20A roller chain for propulsion, significantly enhancing the reliability of the drilling operation. Additionally, the hydraulic system has been upgraded with high-strength and large-displacement cast iron gear pumps to ensure product quality and offer advantages such as long service life and stable performance. The thickened profile folder is used for the housing, and the additional ring makes handling and lifting convenient. This drill rig can be widely used in the drilling and blasting operations of large-diameter photovoltaic foundation piles, hydropower projects, open-pit mining, road construction and other construction sites.



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技术参数 / Technical Parameters

钻车型号 / Model of drill rig	KG420TF
整机重量 / Weight of complete machine	5600 Kg
整机尺寸 / Outer dimensions (LxWxH)	6400x2210x2600 mm
凿岩硬度 / Drilling hardness	F=6-20
钻孔直径 / Drilling diameter	φ115-254 mm
回转扭矩 / Rotary torque	≥4000 Nm
回转转速 / Rotary speed	0-80 rpm
最大提升力 / Lifting force	40 KN
推进方式 / Method of Feed	油缸+20A滚子链
有效推进行程 / Feed stroke	3660 mm
行走速度 / Travelling speed	0-2.5 Km/h
爬坡能力 / Climbing capacity	≤30°
离地间隙 / Ground clearance	430 mm
滑架俯仰角度 / Tilt angle of Beam	俯135° 仰50° / Down:135°, up: 50°
滑架摆动角度 / Swing angle of boom	左45° 右45° / Left: 45°, right: 45°
钻臂俯仰角度 / Pitch angle of drill boom	俯55° 仰25° / Down: 50°, up: 25°
钻臂摆动角度 / Swing angle of drill boom	左45°右25° / Left: 45°, right: 25°
履带调平角度 / Leveling angle of track	±10°
滑架补偿长度 / Compensation length of beam	900 mm
工作风压 / Air pressure for work	1.0-2.4 MPa
配套动力 (玉柴) / Supporting power	玉柴股份 YC4DK100-T304 (73.5KW/2200Rpm) / Yuchai YC4DK100-T304 (73.5KW/2200Rpm)
适用冲击器 / DTH hammer	K4-K8
适用钻杆直径 / Drilling rod	φ76/φ89/φ102 mm
耗风量 / Air consumption	15-26 m ³ /min
配套回转缓冲器 / Matching rotary buffer	FH32
配套卷扬机 / Matching winch	5T
选配集尘器 / Dust collector(optional)	QZA-140



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

柴油移动型螺杆压缩机: KP1050-18/23 YC

Diesel engine portable screw air compressor: KP1050-18/23 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

备注: 图片仅供参考

Pictures for reference only, subject to our available products.