

KG420S/KG420SH型露天潜孔钻车

KG420S/KG420SH Surface DTH Drilling Rig



KG420S/KG420SH型露天潜孔钻车是应国家对柴油机排放要求进行升级改进的一款设备。该款钻车配备柴油机和电动机两种独立的系统，可分开操作。采用折边履带架和工程四轮一带，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。采用双马达回转，增大回转扭矩和转速，加大提升油缸和链条，提高提升力和可靠性。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 KG420S/KG420SH surface DTH drilling rig is an improved device in compliance with national regulations on diesel-engine emissions. The drill rig is equipped with the two independent systems, namely diesel engine and motor, capable of separate operations. The folding frame track, four-wheel drive and the tramping 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 on limiting position. The double rotation motor increases the rotary torque and revolving speed; and the lifting hydraulic cylinder and chain are expanded to promote the lifting force and reliability. 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.

KG420SH型露天潜孔钻车增加集尘器，工作时更环保、可靠。

The KG420SH surface DTH drilling rig is equipped with a dust collector, thus making operation more environment-friendly and reliable.



▲ **KG420SH型 露天潜孔钻车**
 KG420SH surface DTH drilling rig

技术参数 / Technical Parameters

	KG420S	KG420SH
钻车型号 /Model of drill rig	KG420S	KG420SH
整机重量 /Weight of complete machine	5800KG	6100KG
外形尺寸 /Outer dimensions	6400×2250×2700mm	6400×2420×2700mm
凿岩硬度 /Drilling hardness	f=6-20	
钻孔孔径 /Drilling diameter	Φ90-152mm	
经济钻深 /Depth of economical drilling	25m	
回转转速 /Rotary speed	0-90rpm	
最大回转扭矩 /Rotary torque (Max)	5000N·m (Max)	
提升力 /Lifting force	40KN	
推进方式 /Method of Feed	油缸+滚子链 /Oil cylinder+roller chain	
推进行程 /Feed stroke	3175mm	
行走速度 /Travelling speed	0-2.5km/h	
爬坡能力 /Climbing capacity	≤30°	
离地间隙 /Ground clearance	290mm	
滑架俯仰角度 /Tilt angle of Beam	俯110°仰35°共145°/Down: 110°, up: 35°, total: 145°	
滑架摆动角度 /Swing angle of boom	左91°右5°共96°/Left: 91°, right: 5°, total: 96°	
钻臂俯仰角度 /Pitch angle of drill boom	俯55°仰15°共70°/Down: 55°, up: 15°, total: 70°	
钻臂摆动角度 /Swing angle of drill boom	左32°右32°共64°/Left: 32°, right: 32°, total: 64°	
滑架补偿长度 /Compensation length of beam	970mm	
配套动力 /Supporting power	玉柴YC4DK80-T302 (58KW/2200r/min) /Yuchai YC4DK80-T302 (58KW/2200r/min) 电动机 YE3-250M-4 (55kw/1460r/min) /Motor YE3-250M-4 (55kw/1460r/min)	
冲击器 /DTH hammer	4吋/4″	
钻杆 /Drilling rod	Φ76×2m +Φ76×3m	
耗风量 /Air consumption	13-20m ³ /min	
最高水平孔高度 /Maximum height of horizontal hole	2850mm	
最低水平孔高度 /Minimum height of horizontal hole	350mm	
集尘器 /dust collector	标配 QZA-120 (12滤芯) standard configuration QZA-120 (12 filter element) 选配QZA-140 (16滤芯) alternative configuration QZA-140 (16 filter element)	

备注：当集尘机型钻孔孔径超过Φ130mm，集尘器必须升级加大。

Note: When the hole diameter of the dust collector exceeds 130mm, the dust collector must be upgraded and enlarged.



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: KP450-14 CU
 KM570-12/15 YC
 KP650-15/18 YC

Diesel engine portable screw air compressor: KP450-14 CU
 KM570-12/15 YC
 KP650-15/18 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