

KQ21型撬毛台车

KQ21 Hydraulic Scaling Rig



用途及特点 / Application and Features

KQ21型撬毛台车以柴油机为单一动力，主要适用于非煤矿山及各种地下工程中巷道、隧道、隧洞撬毛作业。该车工作臂为折叠式并配备旋转油缸驱动的液压锤及机械式平动机构，可对工作面、顶板、侧帮及底板进行全方位作业，同时该车液压系统采用比例先导操纵，因而具有操纵灵活、动作平稳等特点。结构紧凑、移动性能好、转弯半径小、爬坡能力强，采用该设备可大幅提高撬毛作业效率及安全性。

KQ21 hydraulic scaling rig is driven by diesel engine. It is mainly suitable for scaling operations in tunnels and non coal mine hill and various underground projects. The folding arm is fitted with the hydraulic hammer and translation mechanism driven by the rotating oil cylinder and it is capable of all-round operations of working surface, top plate, side wall and base plate. Meanwhile, proportion pilot control is applied to the hydraulic system, characterized by flexible manipulation and smooth operations. The equipment can considerably improve the scaling efficiency and safety based on compact structure, excellent mobility, small turning radius and powerful climbing capacity.



技术参数 / Technical Parameters

外形尺寸 Dimensions	长 /Length	6000 mm	离地间隙 /Ground clearance	230mm
	宽 /Width	1700 mm	液压锤 /Hydraulic hammer	水山SB30
	高 /Height	1840 mm	冲击能量 /Impact energy	350J
重量 /Weight	6500 kg		冲击频率 /Impact frequency	9-16Hz
发动机 /Engine	YCF3675-T480		驱动流量 /Drive flow	25-40L/Min
功率 /转速 /Power/ Speed	55.8kw/2200rpm		工作压力 /Working pressure	90-125Bar
传动系统 /Drive system	静液压传动 Hydrostatic drive		摆臂角度 /Angle of swing arm	±30°
			液压锤俯仰角度 /Pitch angle of hydraulic hammer	100°
摆动角 /Swing angle	±6°		摆动缸角度 /Angle of swing cylinder	±90°
轮胎 /Tires	300-15		钻臂伸缩 /Drill arm expansion and contraction	1200mm
转向角度 /Steering angle	±40°		最大工作高度 /Maximum working height	6200mm
转弯半径 (内/外) /Turning radius (inner/outer)	2100/3800mm		最大工作宽度 /Maximum working width	5600mm
行走制动 /Travelling braking	湿式制动 /Wet brake		驾驶室后仰 /Backward angle of cab	15°
最大行驶速度 /Maximum tramping speed	7km/h		水泵功率 /Power of water pump	0.5kw
最大爬坡角度 /Maximum climbing angle	25% (14°)		水泵流量 /Flow of water pump	2L/Min
			驾驶室升降 /Cab lift	400mm

