

XR160E

旋挖钻机

Rotary Drilling Rig

性能特点

一机多能，可实现油缸加压、卷扬加压、长螺旋、双动力头等功能快速切换，满足更多不同工程施工需求；

配置康明斯电控涡轮增压发动机，动力强劲，服务方便快捷；

动力头最大输出扭矩可达160kN·m，转速可达35r/min，作业效率更高；

主、副卷扬均采用单排绳技术，钢丝绳寿命比多层绳长2~4倍，使用成本更低；

采用双动臂大平行四边形变幅机构，支撑角度大，支撑范围增加24%，作业更稳定；

液压主系统采用负流量控制技术，响应快，操控性能好；

大功率双液压油冷却器，满足高温地区施工；

智能控制系统实现钻桅垂直度自动调节与显示、自动回转、自动甩土等功能；

采用TDP系列旋挖钻机专用液压履带底盘，大直径回转支承，工作稳定性更好；

Performance Characteristics

As a multi-functional machine, XR160E can realize the quick switching of functions such as crowd cylinder, crowd winch, CFA and dual rotary drive to meet more different construction needs.

Cummins electronically controlled turbocharged engine ensures strong power, convenient and efficient service.

With a maximum output torque of 160kN·m and a maximum speed of 35 r/min, the rotary drive can work more efficiently.

The main and auxiliary winches both adopt single-row rope technology. The service life of wire rope is 2~4 times longer than that of multi-layer rope and the cost is lower.

The parallelogram luffing mechanism with double swing arm has a large support angle and a 24% increase in support range, which makes the operation more stable.

The hydraulic system adopts negative flow control technology which has a fast response and good handling performance.

The high-power dual hydraulic oil cooler is suitable for construction in high-temperature areas.

The intelligent control system can achieve functions such as automatic adjustment and display of mast perpendicularity, automatic slew and spin-off, etc.

With a large diameter slewing bearing, the TDP series hydraulic crawler chassis dedicated for rotary drilling rigs ensures better working stability.



XR160E 旋挖钻机主要技术参数

XR160E Main Technical Parameters

主要技术参数 Main Technical Specification

参数名称 Parameter name		单位Unit	参数 parameter
发动机 Engine	型号 Model		QSB7-C202
	额定功率 Rated Power	kW	150
动力头 Rotary drive	最大输出扭矩 Max. output torque	kN·m	160
	转速 Rotary speed	r/min	5~35
最大钻孔直径 Max. Drilling Diameter		mm	φ1500/φ1300*
最大钻孔深度 Max. Drilling Depth		m	56
加压油缸 Crowd cylinder	最大加压力 max. pull-down piston push	kN	160
	最大提升力 Max. pull-down piston pull	kN	160
	最大行程 Max. pull-down piston stroke	m	4.2
加压卷扬 Crowd Winch	最大加压力 max. pull-down piston push	kN	160
	最大提升力 Max. pull-down piston pull	kN	180
	最大行程 Max. pull-down piston stroke	m	13
主卷扬 Main winch	最大提升力 Max. pulling force	kN	160
	最大卷扬速度 Max. line speed	m/min	80
副卷扬 Auxiliary winch	最大提升力 Max. pulling force	kN	60
	最大卷扬速度 Max. speed	m/min	80
钻桅倾度 Mast Rake		侧向/前倾/后倾 Side/forwards/backwards	± 4° / 5° / 15°
底 盘 Undercarrige	最大行走速度 Max. traveling speed	km/h	2.1
	最大爬坡度 Max. grade ability	%	40
	最小离地间隙 Min. Ground Clearance	mm	384.5
	履带板宽度 Track shoe width	mm	700
	履带最大总宽 Max. Track Width	mm	2960 ~ 4200
液压系统工作压力 working pressure of hydraulic system		MPa	35
整机工作质量 Overall drilling weight		t	53
外形尺寸 Dimension	工作状态 Working condition	mm	7862 × 4200 × 19028
	运输状态 Transportation condition	mm	13993 × 2960 × 3464

