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XR系列旋挖钻机

XR Series Rotary Drilling Rig



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XR360E 旋挖钻机

Rotary Drilling Rig

性能特点

优化设计的双动臂变幅机构，优化铰点位置，兼顾施工稳定性与转场运输便捷性；

采用旋挖钻机专用H型液压伸缩式履带底盘，装备大直径回转支承，保证了超强的稳定性和运输的便捷性；

采用进口沃尔沃发动机，动力强劲，有效降低了燃油消耗和使用成本；

液压系统采用负荷传感技术，叠加总功率控制与极限功率控制技术，使液压系统效率更高，更节能，独立散热器系统，散热效率高；

徐工专有的单排绳主卷扬结构，有效的解决了钢丝绳“咬绳”问题，大大延长了钢丝绳的使用寿命；

动力头拥有普通模式和入岩模式，分别针对土层和岩层作业，提高了施工效率，动力头具有自动旋转功能，可在普通模式和入岩模式下转速连续可调；

标配集中润滑系统，维护保养更便捷，提高工作可靠性。

Performance Characteristics

Optimally designed double swing arm luffing mechanism and optimized hinge point position take account of the construction stability and the transportation convenience at the same time.

Dedicated H-type hydraulic retractable crawler chassis for rotary drilling rigs with large-diameter slewing bearing ensures superior stability and convenient transportation.

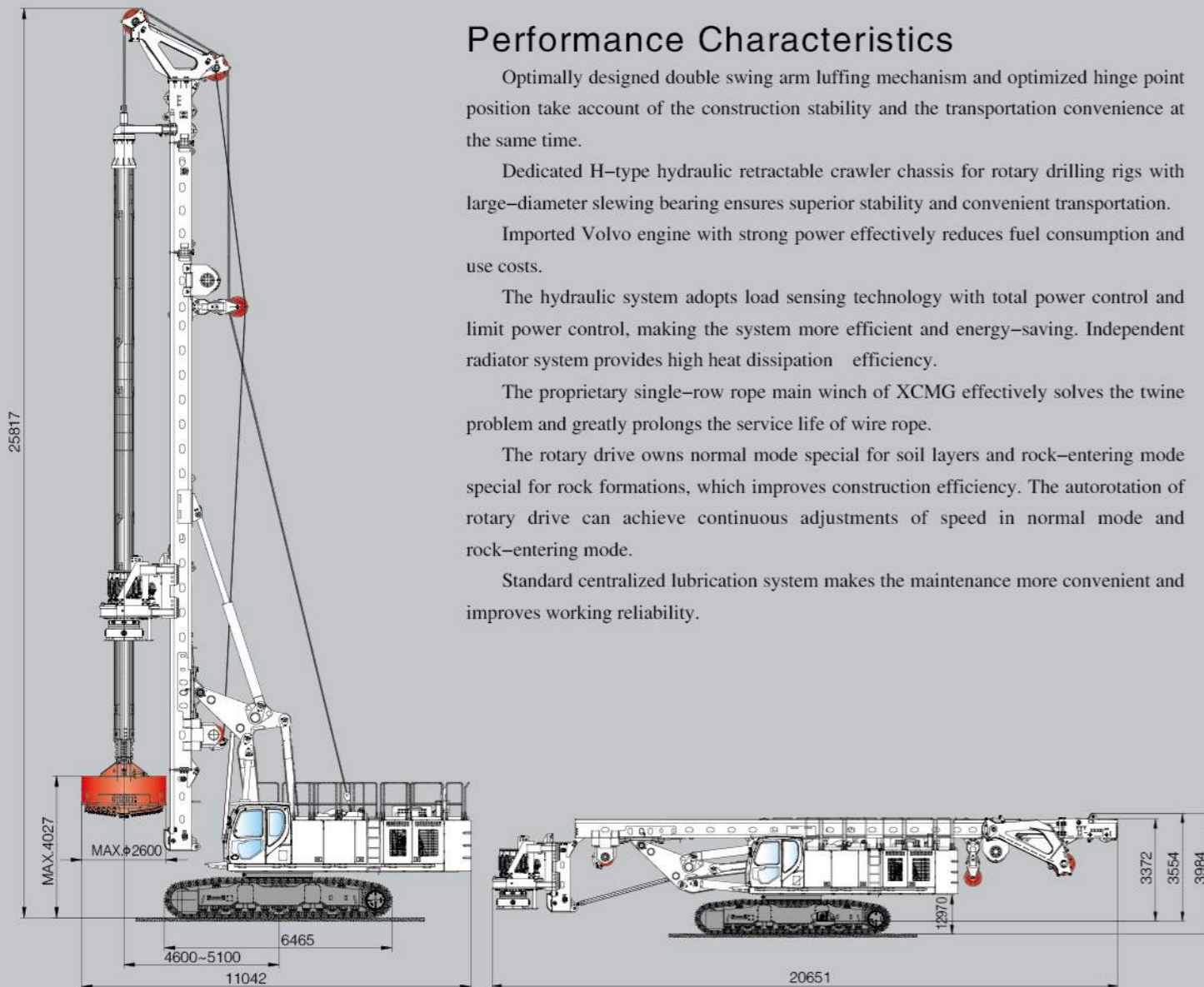
Imported Volvo engine with strong power effectively reduces fuel consumption and use costs.

The hydraulic system adopts load sensing technology with total power control and limit power control, making the system more efficient and energy-saving. Independent radiator system provides high heat dissipation efficiency.

The proprietary single-row rope main winch of XCMG effectively solves the twine problem and greatly prolongs the service life of wire rope.

The rotary drive owns normal mode special for soil layers and rock-entering mode special for rock formations, which improves construction efficiency. The autorotation of rotary drive can achieve continuous adjustments of speed in normal mode and rock-entering mode.

Standard centralized lubrication system makes the maintenance more convenient and improves working reliability.



XR360E 旋挖钻机主要技术参数

XR360E 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	TAD1353VE
	额定功率 Rated Power	kW 345/1900
动力头 Rotary Drive	最大输出扭矩 Max. output torque	kN·m 360
	转速 Rotary speed	r/min 6 ~ 27
	高速甩土 High-speed spin-off	r/min 50
最大钻孔直径 Max. Drilling Diameter	mm	φ 2600
最大钻孔深度 Max. Drilling Depth	m	103
加压油缸 Crowd cylinder	最大压力 Max. pull-down piston push	kN 300/300
	最大提升力 Max. pull-down piston pull	kN 350/350
	最大行程 Max. pull-down piston stroke	m 6/10/16
主卷扬 Main Winch	最大提升力 Max. Pulling force	kN 370
	最大卷扬速度 Max. line speed	m/min 60
	绳径 Rope diameter	mm φ 36
副卷扬 Auxiliary Winch	最大提升力 Max. Pulling force	kN 100
	最大卷扬速度 Max. line speed	m/min 41
	绳径 Rope diameter	mm φ 20
钻桅倾度 Mast Rake	侧向 / 前倾 / 后倾 Side/forwards/backwards	± 4° / 5° / 15°
底盘 Undercarrige	宽度 Width	mm 3500~4900
	履带板宽 Crawler plate width	mm 800
	履带长度 Crawler length	mm 6465
	行走速度 Travelling speed	Km/h 1.3
整机工作重量 Overall Drilling Weight	t	115
外形尺寸 Dimension	工作高度 Working height	m 27.5
	工作范围 Working range	mm 4600~5100



施工范例 Construction Cases



旋挖钻机在土耳其施工 XCMG rotary drilling rigs in Turkey



XRL100江苏送变电施工
XRL100 in Jiangsu
electricity project



陇海路高架延伸荥阳段，施工快速高效
XCMG rotary drilling rigs were working
in express way with high efficiency



陇海路高架延伸荥阳段XR360施工快速高效
XR360 was working in Longhai railway
with high working efficiency

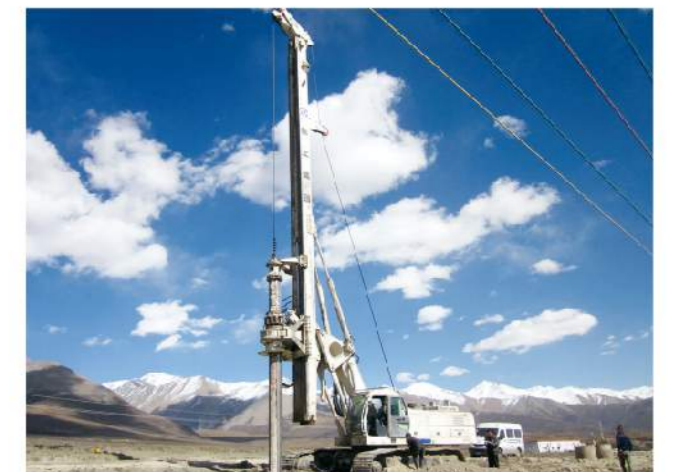


徐工旋挖钻海上展雄风 首次实现多台钻机海底成槽作业
XCMG rotary drilling rigs are making trench on the seabed



屹立戈壁滩，XR360旋挖钻机助力
京新高速公路工程建设
XR360 is working in the desert

徐工旋挖钻机助力国家电网淮南-南京-上海工程线路工程
XCMG rotary drilling rigs are working in Huainan-
Shanghai Railway Project



XR220施工照片——兰新铁路青海高原工地
XR220 was working in Lanzhou-Qinghai
railway in plateau

施工范例 Construction Cases



徐工XR460D旋挖钻机大战灰岩
XR460D was fighting against limestones



新郑机场跨航空港区南水北调工程大桥
XCMG rotary drilling rigs are working in South water to North Project



徐工旋挖钻机在南宁火车站施工
XCMG rotary drilling rigs are working in Nanning Train Station



徐工气动潜孔锤旋挖钻机征战香港维多利亚港
XCMG rotary drilling rigs with DTH are working in Victoria, Hong Kong



徐工旋挖钻“一带一路”显风采，群机助力巴基斯坦新建设
XCMG rotary drilling rigs are working in One Belt, One Road project in Pakistan



XR220D新加坡施工
XR220D working in Singapore



XR280DII马来西亚TERENGGANU施工
XR280DII working in TERENGGANU Malaysia



XR280DII马来西亚吉隆坡施工
XR280DII working in Kuala Lumpur, Malaysia