

FR120X

旋挖钻机 Rotary Drilling Rig

性能特点

后倾大三角结构，固定变幅支撑，运输方便的同时提高了工作机构的刚度，增强整机工作稳定性，适合小吨位钻机的工况；

进口川崎液压件，动力系统匹配合理，施工效率高；

进口康明斯发动机，可选两种油门控制方式，让您的耗油量降到最低；

副卷扬工作幅度加大，可满足轻小物体的吊装，节约辅助设备成本；

主卷扬采用大排量马达设计，反应更灵敏，工作更可靠，小直径桩孔施工卸土不再困难；

标配变径节，根据施工需要调整钻杆组合，有效降低油耗，提高施工效率；

具有知识产权的智能控制系统，CAN总线和PLC控制系统的应用，包括钻桅垂直度自动/手动调整、深度自动检测显示、智能故障诊断控制等。

Performance Characteristics

It introduces the back-inclination large triangle structure with stationary luffing support, which is suitable for working conditions of low-tonnage drilling rig, improving the rigidity of working mechanism and enhancing the stability of whole drilling rig while achieving easy transportation;

The imported Kawasaki hydraulic parts can achieve reasonable powertrain matching and high construction efficiency;

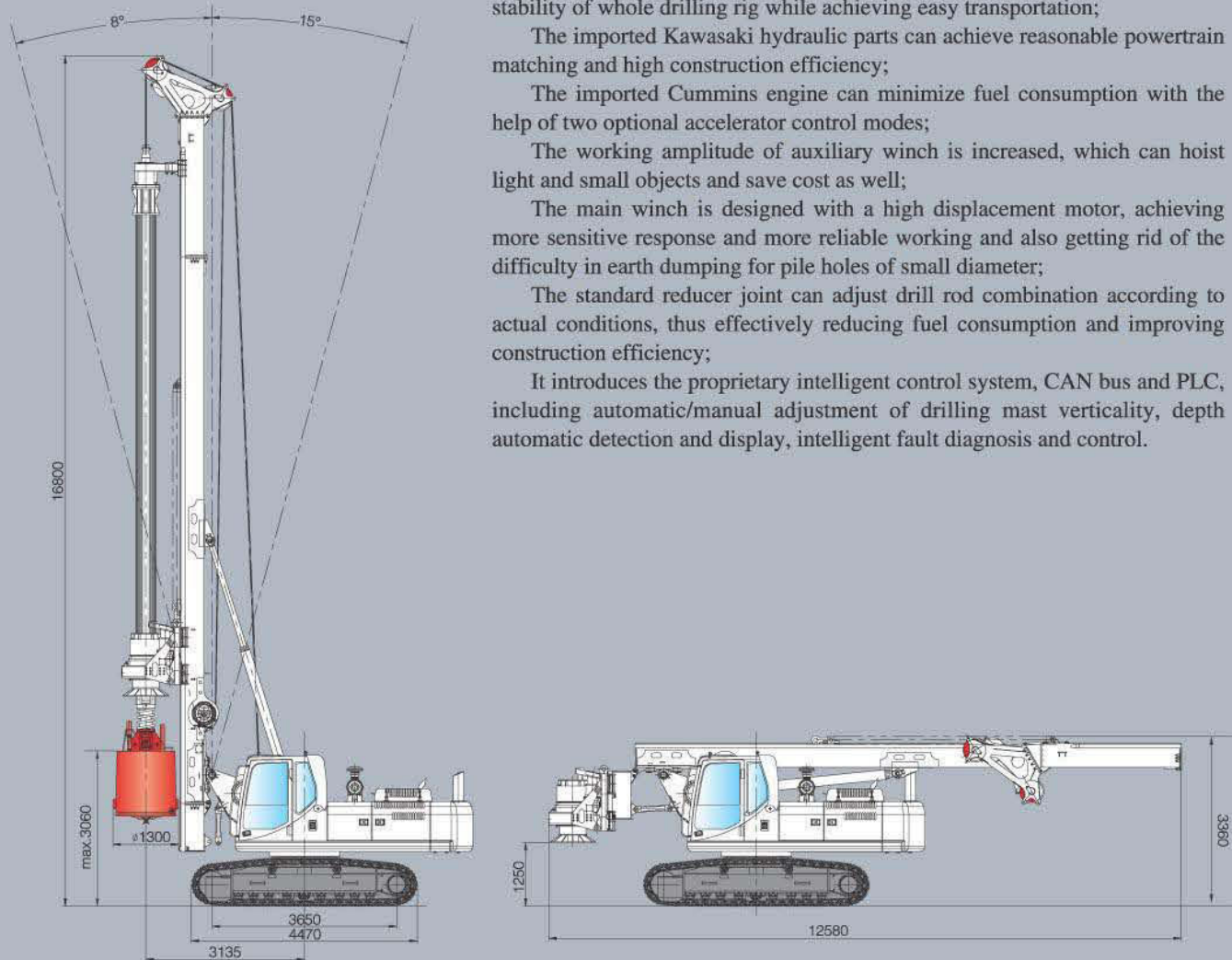
The imported Cummins engine can minimize fuel consumption with the help of two optional accelerator control modes;

The working amplitude of auxiliary winch is increased, which can hoist light and small objects and save cost as well;

The main winch is designed with a high displacement motor, achieving more sensitive response and more reliable working and also getting rid of the difficulty in earth dumping for pile holes of small diameter;

The standard reducer joint can adjust drill rod combination according to actual conditions, thus effectively reducing fuel consumption and improving construction efficiency;

It introduces the proprietary intelligent control system, CAN bus and PLC, including automatic/manual adjustment of drilling mast verticality, depth automatic detection and display, intelligent fault diagnosis and control.



FR120X 旋挖钻机主要技术参数

Main technical Data of FR Series Multi-functional Combined Rotary Drilling Rig

主要技术参数 Main Technical Specification			
发动机 Engine	型号 Model		康明斯 B5.9-C
	额定功率 Rated Power	kW	112 /1950
动力头 Rotary Drive	最大输出扭矩 Max. output torque	kN · m	120
	转速 Rotary speed	r/min	6 ~ 28
最大钻孔直径 Max. Drilling Diameter		mm	φ 1300
最大钻孔深度 Max. Drilling Depth		m	标配44 (康阻5节)选配35 (机锁4节)
加压油缸 Pull-Down Cylinder	最大压力 Max. pull-down piston push	kN	120
	最大提升力 Max. pull-down piston pull	kN	120
	最大行程 Max. pull-down piston stroke	m	3.5
主卷扬 Main Winch	最大提升力 Max. Pulling force	kN	100
	最大卷扬速度 Max. line speed	m/min	70
副卷扬 Auxiliary Winch	最大提升力 Max. Pulling force	kN	45
	最大卷扬速度 Max. line speed	m/min	70
钻桅倾度 Mast Rake	侧向 / 前倾 / 后倾 Side/forwards/backwards		± 3° / 8° /15°
底盘 Undercarrige	最大行走速度 Max. traveling speed	km/h	3.2
	最大爬坡度 Max. grade ability	%	40
	最小离地点间隙 Min. Clearance	mm	450
	履带板宽度 Track shoe width	mm	700
	履带最大总宽 Distance between tracks	mm	3400
液压系统 Hydraulic System	工作压力 Working pressure	Mpa	32
整机工作质量 Overall Drilling Weight		t	40
外形尺寸 Dimension	工作状态 Working condition	mm	7175X3400X16800
	运输状态 Transportation condition	mm	12580X3400X3360



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SECURA GROUPS

Email: secura@cyber.net.pk

Website: www.secura-group.com