

FR180X 旋挖钻机

Rotary Drilling Rig

性能特点

- 专用液压伸缩式履带底盘，重型回转支承，整机稳定高；
- 前置单排绳主卷扬结构，钢丝绳寿命大大延长，使用成本更低；
- 进口康明斯发动机，动力强劲，足够的功率储备满足高原施工，噪音、排放满足欧Ⅲ标准；
- 采用CAN总线全电控技术，简化了液压管路、提高整车的可靠性，充分体现了人、机、液、电的一体化。
- 可选卷扬加压、套管驱动功能，满足用户多种需求；
- 标配集中润滑系统，维护保养更便捷。

Performance Characteristics

It adopts dedicated hydraulic retractable crawler chassis and heavy slewing bearing and has high stability;

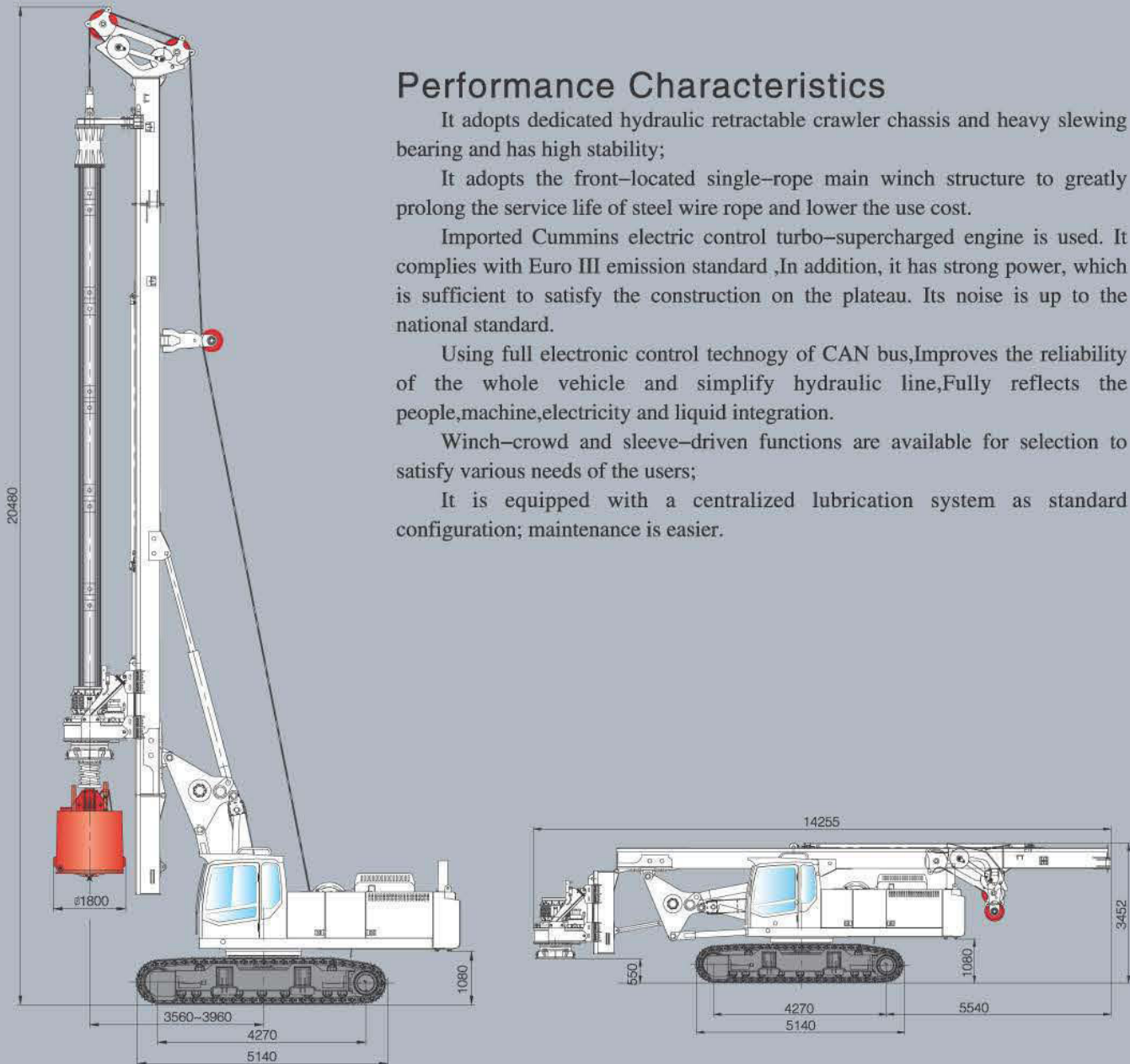
It adopts the front-located single-rope main winch structure to greatly prolong the service life of steel wire rope and lower the use cost.

Imported Cummins electric control turbo-supercharged engine is used. It complies with Euro III emission standard. In addition, it has strong power, which is sufficient to satisfy the construction on the plateau. Its noise is up to the national standard.

Using full electronic control technology of CAN bus, Improves the reliability of the whole vehicle and simplify hydraulic line, Fully reflects the people, machine, electricity and liquid integration.

Winch-crowd and sleeve-driven functions are available for selection to satisfy various needs of the users;

It is equipped with a centralized lubrication system as standard configuration; maintenance is easier.



FR180X 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		QSB6.7-C260
	额定功率 Rated Power	kW	194
动力头 Rotary Drive	最大输出扭矩 Max. output torque	kN · m	180
	转速 Rotary speed	r/min	7~27
最大钻孔直径 Max. Drilling Diameter		mm	φ 1800
最大钻孔深度 Max. Drilling Depth		m	标配60(5节), 选配46m (机锁4节)
加压油缸 Pull-Down Cylinder	最大压力 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	5000
卷扬加压 Crowd Winch	最大加压力 Max. pull-down piston push	kN	180
	最大提升力 Max. pull-down piston pull	kN	180
	最大行程 Max. pull-down piston stroke	m	12500
主卷扬 Main Winch	最大提升力 Max. Pulling force	kN	180
	最大单绳速度 Max. line speed	m/min	65
副卷扬 Auxiliary Winch	副卷扬提升力 Max. Pulling force	kN	50
	副卷扬最大单绳速度 Max. line speed	m/min	70
钻桅倾度 Mast Rake 侧向 / 前倾 / 后倾 Side/forwards/backwards			± 3° / 5° / 15°
底盘 Undercarriage	最大行走速度 Max. traveling speed	km/h	1.5
	整机最大爬坡度 Max. grade ability	%	35
	最小离地点间隙 Min. Clearance	mm	350
	履带板宽度 Track shoe width	mm	700
履带外宽 (最小-最大) Distance between tracks		mm	2960 ~ 4200
液压系统 Hydraulic System	工作压力 Working pressure	Mpa	35
整机工作质量 Overall Drilling Weight		t	58
外形尺寸 Dimension	工作状态 Working condition	mm	8350 × 4200 × 20480
	运输状态 Transportation condition	mm	14255 × 2960 × 3450



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