

# FR150X 旋挖钻机

## Rotary Drilling Rig

### 性能特点

采用单层绳主卷扬，有效解决钢丝绳磨损问题，提高钢丝绳使用寿命。

负荷传感液压系统及极限功率控制系统，更加节能高效。

彩色液晶显示屏使操作简便灵活，钻孔深度、垂直度自动检测控制，故障自动控制报警系统。

履带可伸缩自制底盘，H形车架结构，满足超强的稳定性。

可不拆卸钻杆运输，转场方便快捷。

GPS全球卫星定位系统，整机工况实现远程数据分析，具有远程实时监控、远程故障诊断功能。

### Performance Characteristics

The wire rope of the main winch is coiled into single layer, which effectively solves the wear problem of the wire rope and prolongs the service life of the rope.

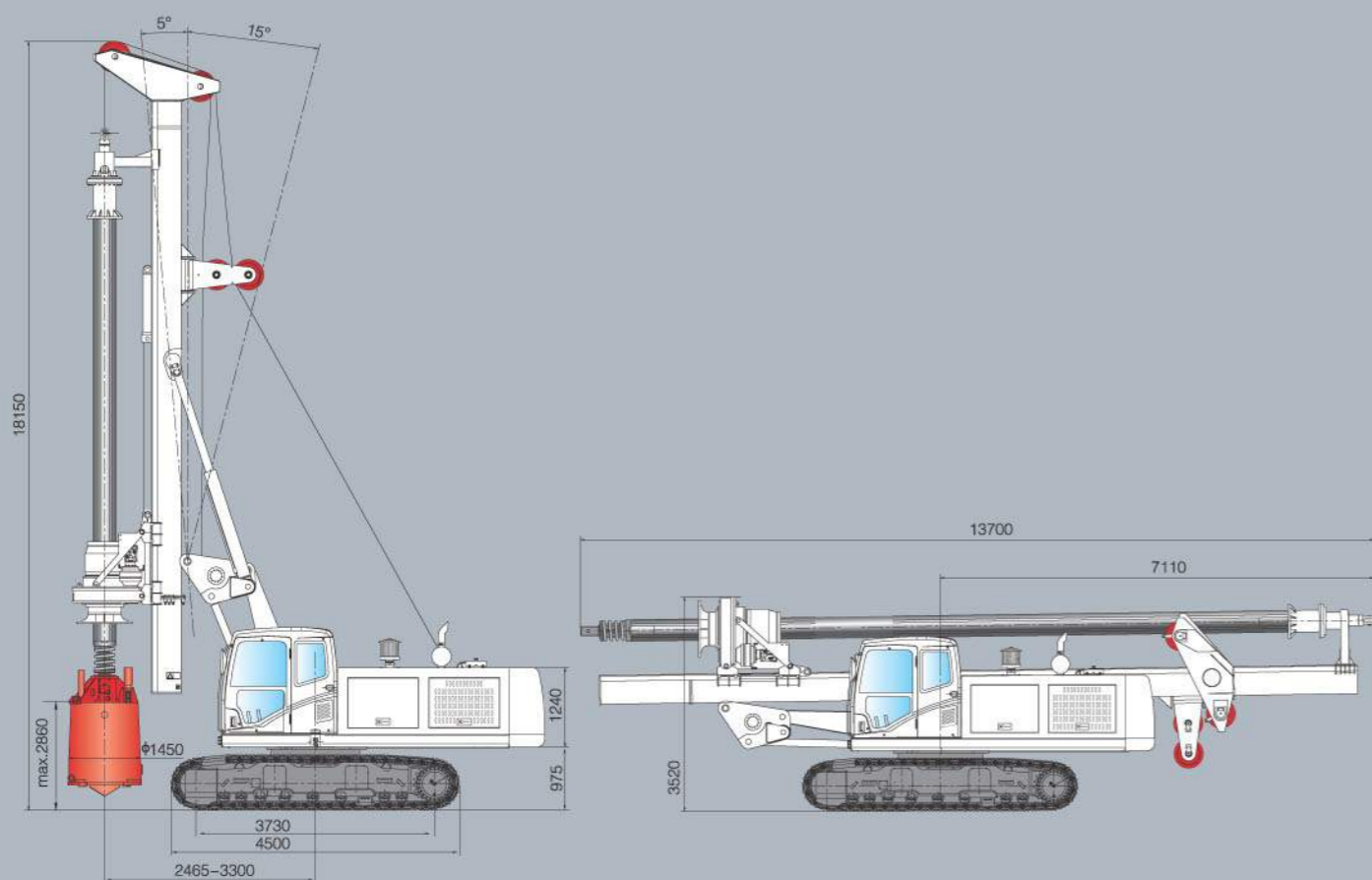
Load sensing hydraulic system and limit power control system, allowing energy saving and high efficiency.

Color LCD enabling simple operation; auto detection and control over drilling depth and verticality; auto fault warning system.

Telescopic caterpillar, self-manufactured undercarriage and H-shaped frame structure, enabling excellent stability.

Non-removable drill rod transportation, easy site transfer.

Global satellite positioning system (GPS), allowing remote data analysis, real-time monitoring and fault diagnosis of complete machine.



### FR150X 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		CUMMINS 6CTAA8.3-C185
	额定功率 Rated Power	kW	138
动力头 Rotary Drive	最大输出扭矩 Max. output torque	kN·m	150
	转速 Rotary speed	r/min	8~24
最大钻孔直径 Max. Drilling Diameter		mm	φ 1450
最大钻孔深度 Max. Drilling Depth		m	50
加压油缸 Pull-Down Cylinder	最大压力 Max. pull-down piston push	kN	114
	最大提升力 Max. pull-down piston pull	kN	148
	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	155
	最大卷扬速度 Max. line speed	m/min	65
副卷扬 Auxiliary Winch	最大提升力 Max. Pulling force	kN	60
	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° / 5° / 15°
底盘 Undercarriage	最大行走速度 Max. traveling speed	km/h	2.0
	最大爬坡度 Max. grade ability	%	40
	最小离地点间隙 Min. Clearance	mm	352
	履带板宽度 Track shoe width	mm	800
	履带最大总宽 Distance between tracks	mm	3050 ~ 4100
液压系统 Hydraulic System	工作压力 Working pressure	Mpa	32
整机工作质量 Overall Drilling Weight		t	43.5
外形尺寸 Dimension	工作状态 Working condition	mm	7700 × 4100 × 18150
	运输状态 Transportation condition	mm	(带钻杆) 13700 × 3050 × 3520 12800 × 3050 × 3240

