

# FR320X 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；

采用大三角变幅机构，保证了在大孔深桩硬地层施工的稳定；

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；

进口的康明斯涡轮增压发动机拥有三档控制，用户可根据工况相应选择档位，实现一台钻机达到三台发动机的功效；

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；

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。

整机通过德国莱茵公司欧盟CE认证。

### Performance Characteristics

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

It adopts the luffing mechanism of large triangle form to ensure the stability of construction of big holes and deep piles in hard formation.

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.

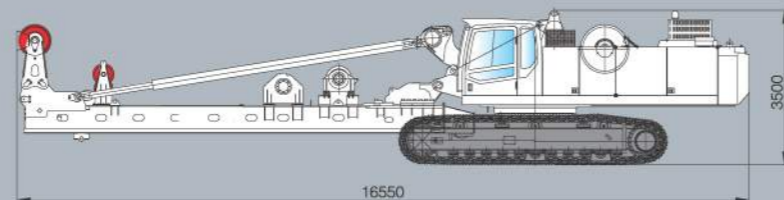
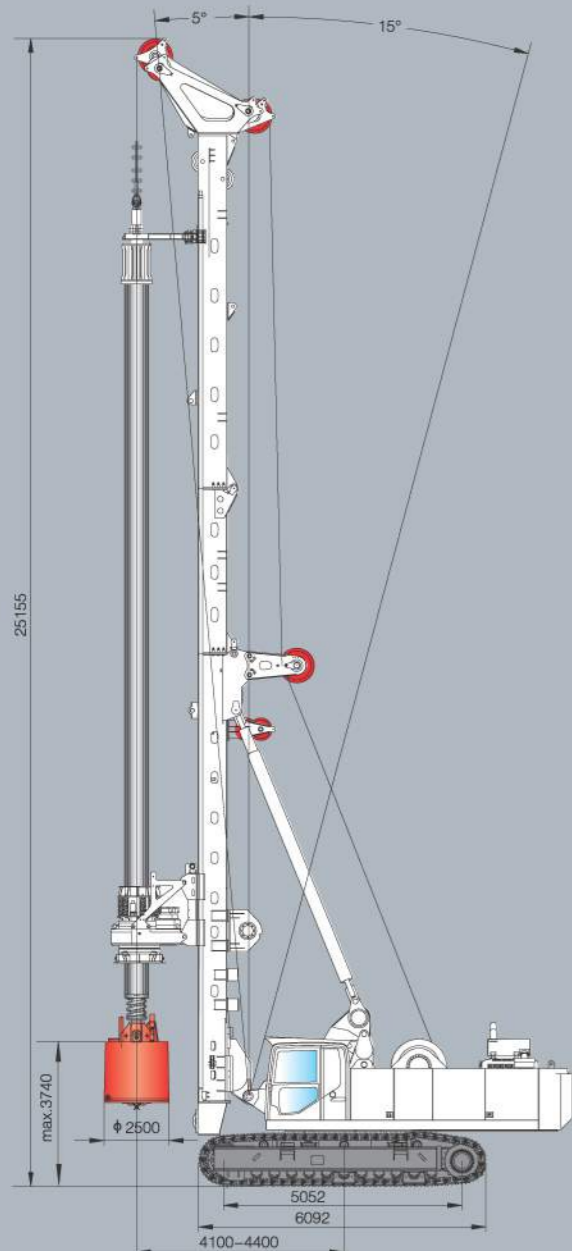
According to specific working conditions, the users can select a corresponding gear of the imported Cummins turbo-supercharged engine with three gears, getting the drilling rig working as three engines.

Unit head can switch between Normal Mode and Rock Cracking Mode which are applicable for soil and rock excavation respectively, improving the efficiency.

Winch pressurization and sleeve drive are both available for selection to meet users' various demands.

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

The complete machine has passed CE certification of T ü V Rheinland group.



### FR320X 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 QSM11-C400
	额定功率 Rated Power	kW	298
动力头 Rotary Drive	最大输出扭矩 Max. output torque	kN·m	320
	转速 Rotary speed	r/min	7~21
最大钻孔直径 Max. Drilling Diameter		mm	φ2500/φ2300 (卷扬加压)
最大钻孔深度 Max. Drilling Depth		m	90
加压油缸 Pull-Down Cylinder	最大压力 Max. pull-down piston push	kN	250
	最大提升力 Max. pull-down piston pull	kN	250
	最大行程 Max. pull-down piston stroke	m	6.0
加压卷扬 Crowd Winch	最大加压力 Max. pull-down piston push	kN	330
	最大提升力 Max. pull-down piston pull	kN	350
	最大行程 Max. pull-down piston stroke	m	16
主卷扬 Main Winch	最大提升力 Max. Pulling force	kN	280
	最大卷扬速度 Max. line speed	m/min	75
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	65
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	1.5
	最大爬坡度 Max. grade ability	%	35
	最小离地点间隙 Min. Clearance	mm	445
	履带板宽度 Track shoe width	mm	800
履带最大总宽 Distance between tracks		mm	3500~4800
液压系统 Hydraulic System	工作压力 Working pressure	Mpa	35
整机工作质量 Overall Drilling Weight		t	95
外形尺寸 Dimension	工作状态 Working condition	mm	10480 × 4800 × 25155
	运输状态 Transportation condition	mm	16550 × 3500 × 3500