



AM-6

多功能钻机

Multifunctional Rig

钻机样本 Brochure



微商城



公众号



Whatsapp

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Multifunctional Rig

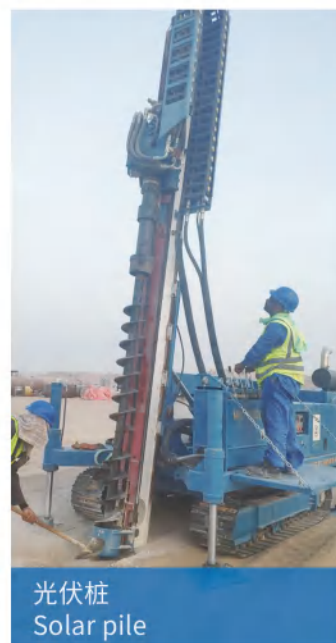
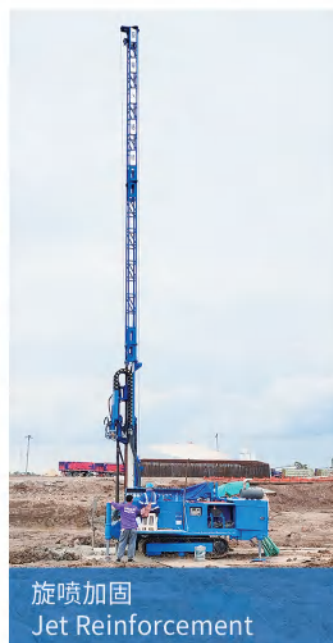
主要 施工特点

- 1、整机全液压驱动，可通过变更动力头模块实现锚固、旋喷、顶驱、光伏等多种施工工况；
- 2、标准版采用高举升结构，可实现3.5米水平孔施工；旋喷版配备可拆卸13米副塔，可实现15米一杆到底；
- 3、液压卡盘设计实现钻具快速更换，轻松应对复杂施工工况；
- 4、履带底盘接地比压低，软地通过性优异；
- 5、孔口导向装置确保施工垂直精度，并可减少钻具磨损；
- 6、配套加强型旋喷钻具，匹配大扭矩动力头，在多数地层中旋喷无需引孔，节约成本与工期；
- 7、施工应用：涵盖抗浮锚杆、边坡锚固、单/双/三重旋喷、套管钻进、太阳能桩、地桩植入、螺旋钻杆等工艺；适用于：公铁路、隧道、地下室、深基坑、水电站、沙漠戈壁的软地基处理、止水帷幕、引孔等施工。

Main characters

1. Fully hydraulic drive; interchangeable rotary head modules enable anchoring, jet grouting, drifter drilling, solar pile installation, and other applications.
2. Standard version features a high-lift structure for 3.5 m horizontal hole drilling; the jet grouting version is equipped with a detachable 13 m auxiliary mast for 15 m single-pass drilling.
3. Hydraulic chuck design allows rapid tool changes to handle complex construction conditions.
4. Low ground pressure of the crawler undercarriage ensures excellent soft ground mobility.
5. Hole guide device guarantees vertical accuracy and reduces drill tool wear.
6. Heavy-duty jet grouting tools matched with high-torque rotary head enable jet grouting without pilot holes in most formations, saving cost and construction time.
7. Applications include anti-floating anchors, slope anchoring, single/double/triple-fluid jet grouting, casing drilling, solar piles, ground anchor installation, and auger drilling. Suitable for highway and railway construction, tunnels, basements, deep foundation pits, hydro power stations, soft ground improvement in deserts and Gobi areas, cut-off walls, and pilot hole drilling.

施工案例 Construction cases



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技术参数 Technique specifications

整机参数	Rig	锚固 Anchor		旋喷 Jet-grouting	光伏 Solar pile	单位 Unit
重量	Weight	7500		7800	6800	kg
运输尺寸	Transport dim.	5500*2180*2420		5900*2250*2300	5200*2150*2400	mm
垂直施工尺寸	Vertical working dim.	4500*2550*5500		4500*3620*18800	4500*2550*5100	mm
液压动力	Power pack					
柴油机功率 ★	Diesel engine ★	93 kW @ 2000 rpm		93 kW @ 2000 rpm	93 kW @ 2000 rpm	
电动机功率 ☆	Electric power ☆	55+22		55+22	/	kW
系统压力	System pressure	20		20	20	MPa
动力头参数	Rotary head	HQ-80★	HD-100	HT-60	TLM-6000AM	
最大扭矩	Max torque	7000	11460	7000	6000	N·m
最大转速	Max speed	170	120	106	100	r/min
施工参数	Construction					
钻孔角度	Hole angle	0-90		0-90	0-90	°
钻杆直径	Pipe diameter	φ60-φ89		φ60-φ89	φ73-φ114	mm
举升高度	Lifting height	3400		3400	/	mm
一杆到底	One single path	/		15000	/	mm

(★表示标配, ☆表示选配 ★ means standard, ☆ means optional)

参数表仅供参考, 具体请与销售 / 技术确认

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HQ-80



HD-100



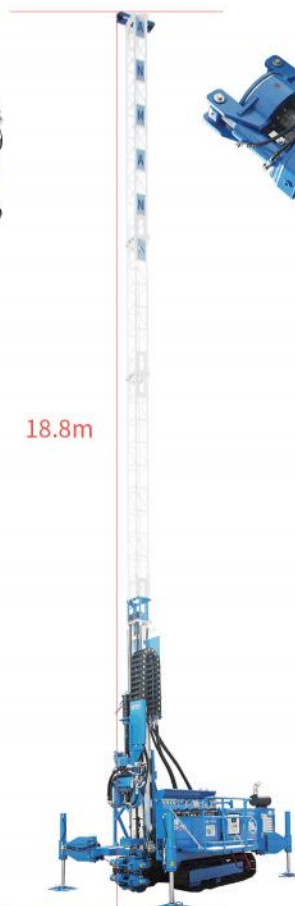
HT-60



TLM-6000AM



锚固 Anchor



旋喷 Jet-grouting



光伏 Solar pile

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锚固版参数 Anchor parameters

整机参数	Rig parameters	AM-6 锚固 Anchor		单位 Unit
重量	Weight	7500		kg
运输尺寸	Transport dimension	5500*2180*2420		mm
垂直施工尺寸	Vertical working dimension	4500*2550*5500		mm
履带底盘	Undercarriage			
轴距	Wheel base	1980		mm
最大宽度	Max width	1955		mm
履带宽度	Pad width	400		mm
最大爬坡能力	Max. climbing ability	20		°
最快行走速度	Max. speed	1500		m/h
液压动力组件	Power pack			
柴油机功率 ★	Diesel engine ★	93 kW @ 2000 rpm		
电动机功率 ☆	Electric power ☆	55+22		kW
系统压力	System pressure	20		MPa
系统流量	System flow	190		L/min
液压油容积	Oil tank	320		L
柴油箱容积	Fuel tank	90		L
桅杆	Mast			
推进架行程	Feed stroke	2800-3400		mm
总长	Total length	5500		mm
给进力	Feed force	35		kN
给进速度	Feeding speed	0-10可调、14、46、59		m/min
提升力	Lifting force	70		kN
提升速度	Lifting speed	0-5可调、7、23、30		m/min
夹持器	Clamps			
夹持范围	Clamping range	φ60-φ200		mm
夹紧力	Clamping force	157		kN
卸扣扭矩	Breaking torque	15000		N·m
动力头参数	Drifter parameters	HQ-80 ★	HD-100 ☆	
最大扭矩	Max torque	7000	11460	N·m
最大转速	Max speed	170	120	r/min
最大冲击功	Max impact power	/	650	N·m
最大冲击频率	Max impact frequency	/	2300	bpm
螺纹输出	Threaded output	REG 2-3/8	H92	
施工参数	Construction			
钻孔角度	Hole angle	0-90		°
钻杆直径	Pipe diameter	φ60-φ89		mm
举升高度	Lifting height	3400		mm
一杆到底	One single path	/		mm

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锚固配置 Anchor sections

1、动力头—2款可选

一般地层选用HQ-80，复杂地层选用HD-100顶驱动力头

2、夹持器—对孔精准

集成夹持与卸扣，降低工人劳动强度，提升效率。孔口导向设计确保对孔精准，施工安全可靠。

3、柴油机—独立动力（可选配电动机版）

移机不受电缆限制。针对高温工况优化散热系统，适应严苛野外施工。

4、高举升—高3.5米水平孔施工

施工对孔角度广，轻松适应隧道、边坡、地下室等多角度、狭小空间施工工况。

5、履带底盘—软地通过性好

接地比压低，软地面行走自如；整机体型紧凑，移机灵活，满足狭小空间施工需求。

1. Rotary head – 2 kinds optional

HQ-80 for general formations, HD-100 for complex conditions.

2. Clamp – Precise alignment

Integrated clamping and breakout reduces labor intensity and boosts efficiency. Hole-mouth guiding ensures accurate alignment and operational safety.

3. Diesel engine – Independent power (Electric power optional)

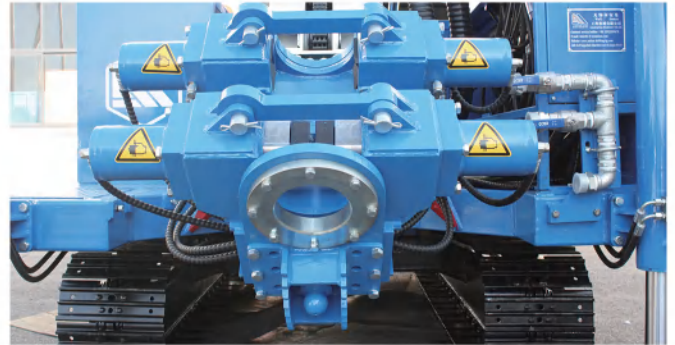
Cable-free relocation. Optimized cooling system for high-temperature field operations.

4. High-lift structure – Enables 3.5m horizontal hole construction

Wide hole alignment angle range, easily adapting to multi-angle and confined-space construction conditions in tunnels, slopes, basements, and similar applications.

5. Crawler chassis – Excellent soft ground mobility

Low ground pressure ensures smooth travel on soft ground. Compact overall dimensions allow flexible relocation, meeting construction requirements in confined spaces.



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旋喷版参数 Jet-grouting parameters

整机参数	Rig parameters	AM-6 旋喷 Jet-grouting	单位 Unit
重量	Weight	7800	kg
运输尺寸	Transport dimension	5900*2250*2300	mm
垂直施工尺寸	Vertical working dimension	4500*3620*18800	mm
履带底盘	Undercarriage		
轴距	Wheel base	1980	mm
最大宽度	Max width	1955	mm
履带宽度	Pad width	400	mm
最大爬坡能力	Max. climbing ability	20	°
最快行走速度	Max. speed	1500	m/h
液压动力组件	Power pack		
柴油机功率 ★	Diesel engine ★	93 kW @ 2000 rpm	
电动机功率 ☆	Electric power ☆	55+22	kW
系统压力	System pressure	20	MPa
系统流量	System flow	190	L/min
液压油容积	Oil tank	320	L
柴油箱容积	Fuel tank	90	L
桅杆	Mast		
推进架行程	Feed stroke	3400	mm
总长	Total length	5500	mm
给进力	Feed force	35	kN
给进速度	Feeding speed	0-10可调、14、46、59	m/min
提升力	Lifting force	70	kN
提升速度	Lifting speed	0-5可调、7、23、30	m/min
夹持器	Clamps		
夹持范围	Clamping range	φ60-φ200	mm
夹紧力	Clamping force	157	kN
卸扣扭矩	Breaking torque	15000	N·m
动力头参数	Drifter parameters	HT-60	
最大扭矩	Max torque	7000	N·m
最大转速	Max speed	106	r/min
螺纹输出	Threaded output	φ92	/
施工参数	Construction		
钻孔角度	Hole angle	0-90	°
钻杆直径	Pipe diameter	φ60-φ89	mm
举升高度	Lifting height	3400	mm
一杆到底	One single path	15000	mm

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旋喷配置 Jet-grouting sections

1、动力头—高转速HT-60

2、柴油机—独立动力（可选配电动机版）

移机不受电缆限制。针对高温工况优化散热系统，适应严苛野外施工。

3、塔架—一杆到底15米

加装可拆卸13米副塔，旋喷免拆钻杆、锚杆可自吊，斜锚施工时副塔快速拆除，一机多用。

4、履带底盘—接地比压低

履带与地面的接触面积大，抓地力强，施工平稳，抗倾覆能力强，移机安全

5、钻参仪 ☆ —11项施工参数实时记录

实时记录浆压、浆量、提升速度、转速等11项施工参数，数据可查可控，精准管控施工成本。

1. Rotary head – High speed HT-60

2. Diesel engine – Independent power (electric power optional)

Cable-free relocation. Optimized cooling system for high-temperature field operations.

3. Mast – 15m single-pass drilling

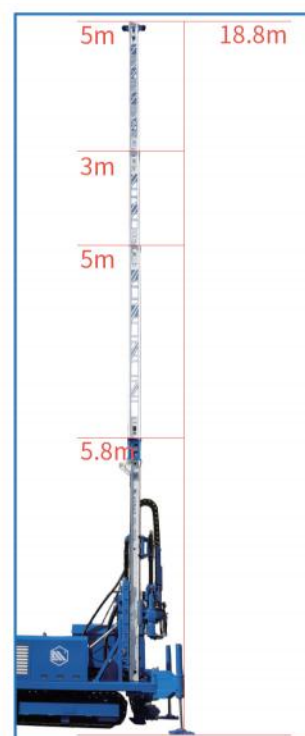
Detachable 13m auxiliary mast enables drill pipe-free jet grouting and self-hoisting anchor installation. For inclined anchor construction, the auxiliary mast can be quickly removed—achieving multiple functions in one rig.

4. Crawler – low ground pressure

Large contact area between tracks and ground ensures strong grip, stable operation, high overturning resistance, safe relocation.

5. Data record system ☆ – real-time record 11 parameters

Including grouting pressure, grout flow rate, lifting speed, and rotation speed. Data is traceable and controllable, enabling precise management of construction costs.



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光伏版参数 Solar pile parameters

整机参数	Rig parameters	AM-6 光伏 Solar pile	单位 Unit
重量	Weight	6800	kg
运输尺寸	Transport dimension	5200*2150*2400	mm
垂直施工尺寸	Vertical working dimension	4500*2550*5100	mm
履带底盘	Undercarriage		
轴距	Wheel base	1980	mm
最大宽度	Max width	1955	mm
履带宽度	Pad width	400	mm
最大爬坡能力	Max. climbing ability	25	°
最快行走速度	Max. speed	1500	m/h
液压动力组件	Power pack		
柴油机功率 ★	Diesel engine ★	93 kW @ 2000 rpm	
电动机功率	Electric power	/	kW
系统压力	System pressure	20	MPa
系统流量	System flow	190	L/min
液压油容积	Oil tank	320	L
柴油箱容积	Fuel tank	90	L
桅杆	Mast		
推进架行程	Feed stroke	3400	mm
总长	Total length	5500	mm
给进力	Feed force	35	kN
给进速度	Feeding speed	0-10可调、14、46、59	m/min
提升力	Lifting force	70	kN
提升速度	Lifting speed	0-5可调、7、23、30	m/min
动力头参数	Drifter parameters		
最大扭矩	Max torque	6000	N·m
最大转速	Max speed	100	r/min
螺纹输出	Threaded output	REC 3-1/2	/
施工参数	Construction		
钻孔角度	Hole angle	0-90	°
钻杆直径	Pipe diameter	φ60-φ89	mm
举升高度	Lifting height	/	mm
一杆到底	One single path	/	mm

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多功能钻机

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光伏配置 Solar pile sections

1、动力头—液压马达驱动

强劲的回转输出扭矩，施工稳定

2、柴油机—独立动力

移机不受电缆限制。针对高温工况优化散热系统，适应严苛野外施工。

3、孔口固定—对孔精准

精准定位控深，支撑孔壁防塌，密封抑尘护具。

4、履带底盘—接地比压低

接地面积大，抓地力强，施工平稳，移机安全，软地不陷，机动性好，适用于沙漠、戈壁、山地等工况。

5、水箱—野外作业刚需

冷却护具、降尘抑尘、润滑排渣、野外独立供水。

1. Rotary head – Hydraulic motor drive

Provides strong rotary output torque for stable operation.

2. Diesel engine – Independent power

Relocation not restricted by cables. Optimized cooling system for high-temperature conditions, suitable for harsh field construction.

3. Hole fixture – Precise hole alignment

Enables accurate positioning and depth control, supports bore-hole walls to prevent collapse, and provides sealing for dust suppression and tool protection.

4. Crawler chassis – Low ground pressure

Large contact area ensures strong traction, stable construction, safe relocation, and no sinking in soft ground. Good maneuverability, suitable for desert, Gobi, mountainous, and others.

5. Water tank – Essential for field operations

Cools tools, suppresses dust, lubricates and removes cuttings, and provides independent water supply in remote areas.

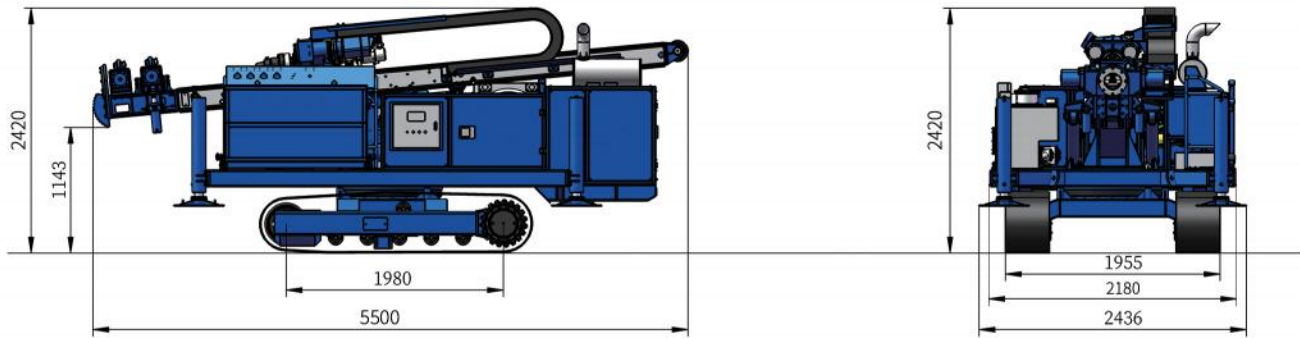


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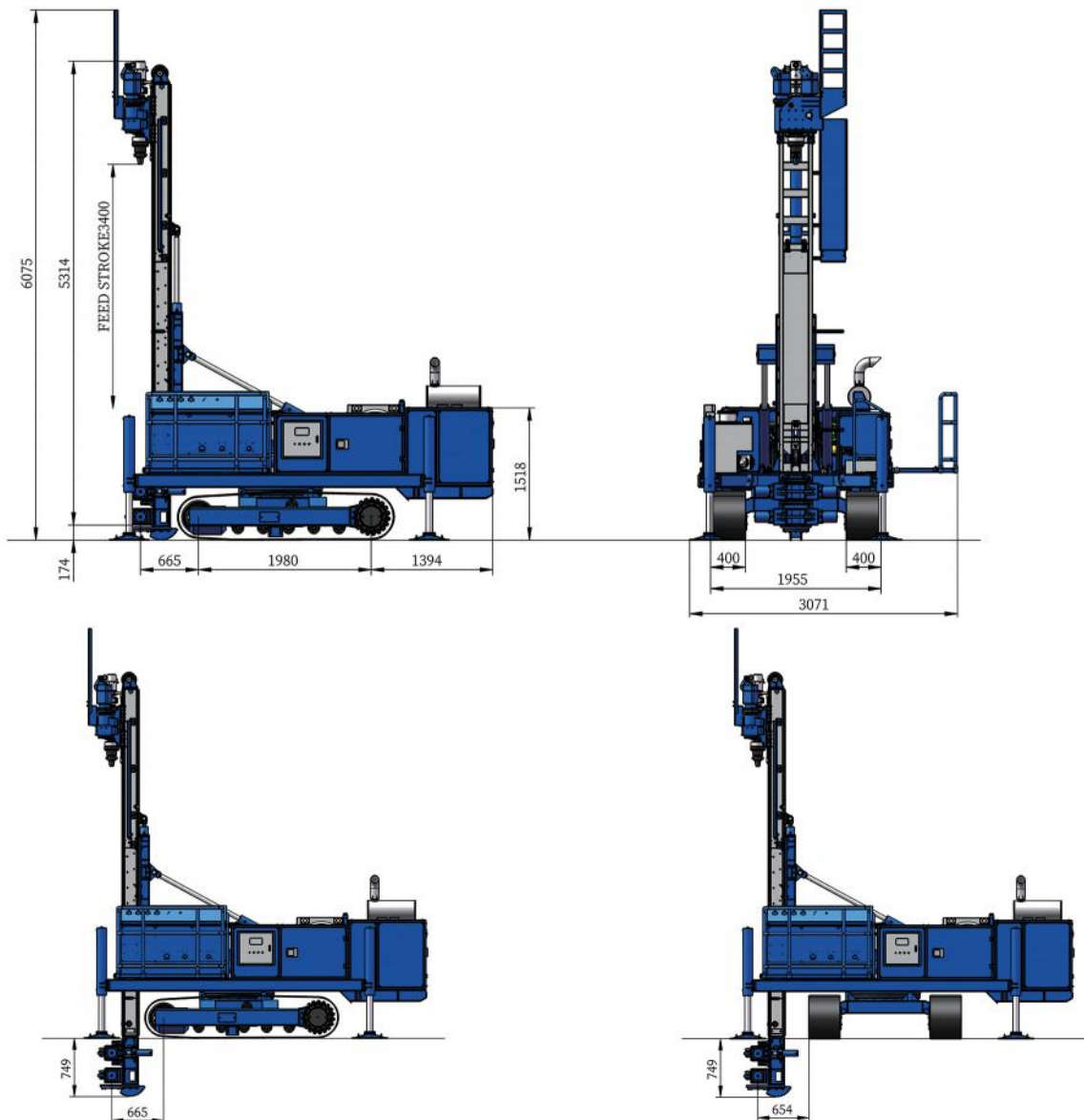
多功能钻机

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锚固版运输尺寸 - Transport dimensions anchor



垂直施工尺寸 - Vertical construction dimension

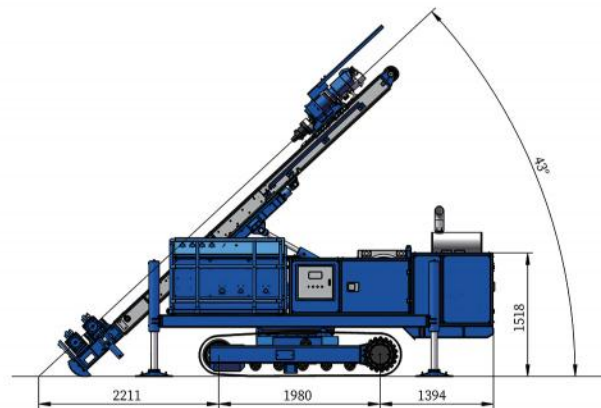
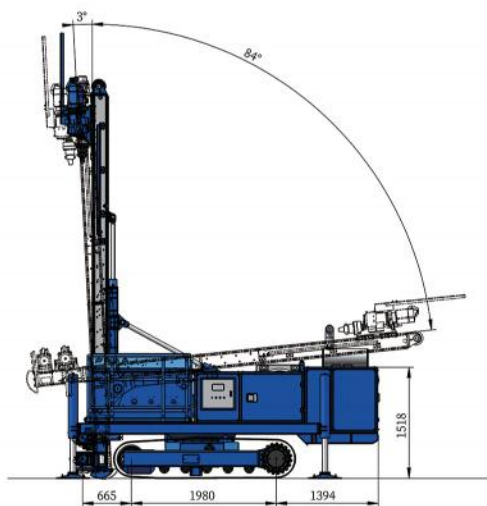
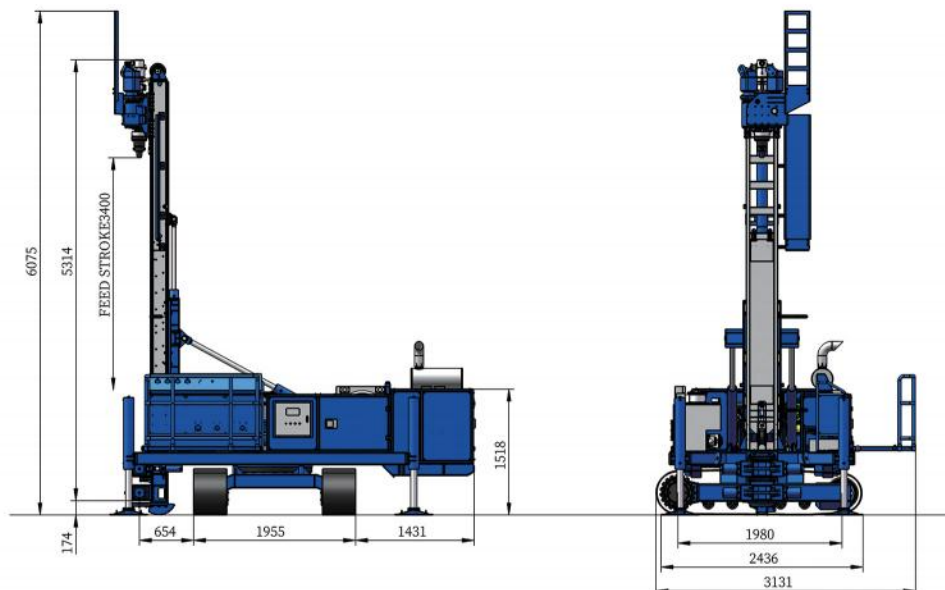


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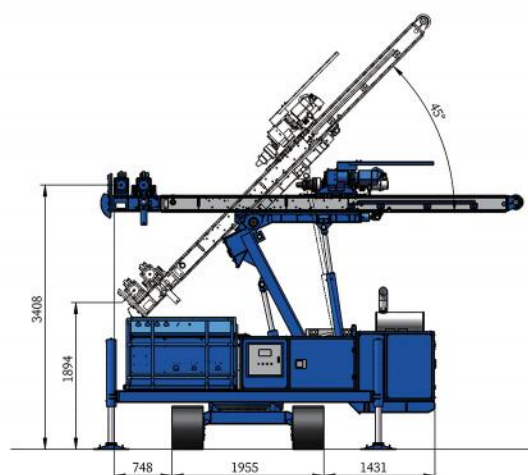
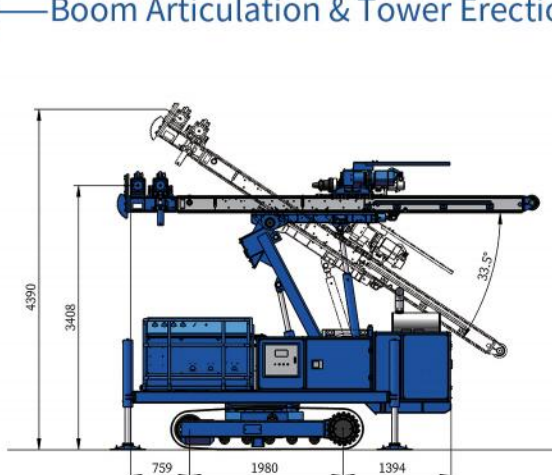
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垂直施工尺寸 - Vertical construction dimension



举臂起塔——Boom Articulation & Tower Erection

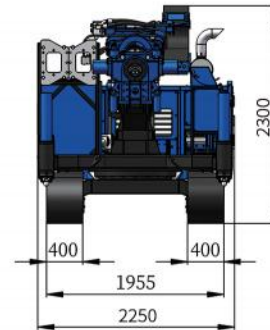
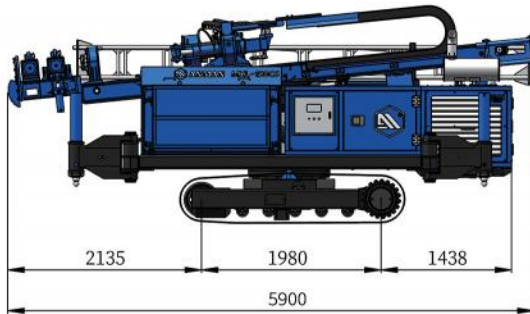


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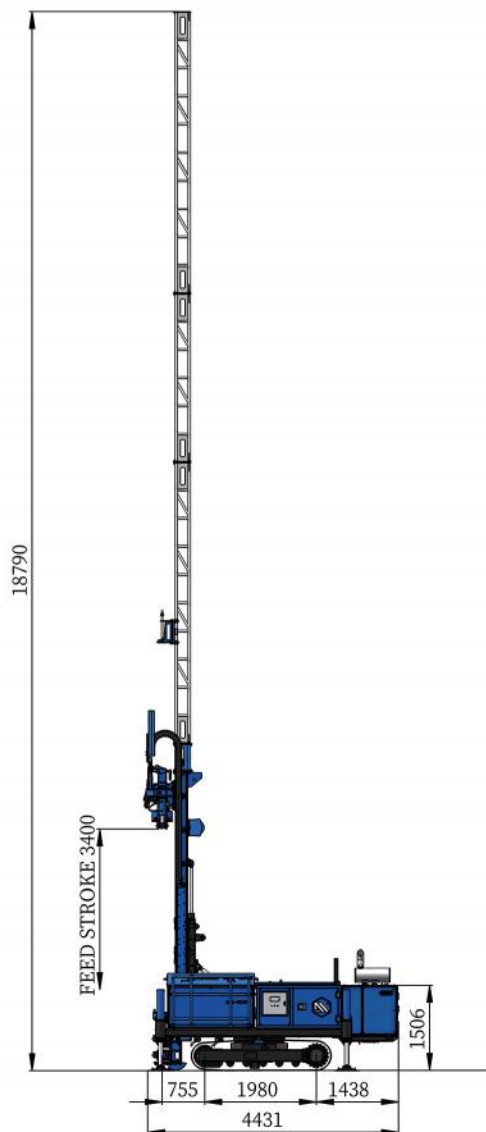
多功能钻机

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旋喷版运输尺寸 - Transport dimensions jet-grouting



旋喷版垂直施工尺寸 - Vertical construction dimension jet-grouting



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施工案例 Construction cases



基坑旋喷锚索
Foundation jet-grouting cable



边坡锚索
Slope anchor cable



光伏桩施工
Solar pile



基坑锚索
Grouting pilot hole construction



抗浮锚杆
Anti-floating anchor rod



螺旋钻杆施工
Auger drilling



基坑斜锚索施工
Inclined anchor cables in foundation pits

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产品给客户创造财富
Products create wealth for customers

企业给员工创造幸福
Enterprises creat happiness for employees



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