



安曼钻机
ANMAN

国家级
专精特新
“小巨人”企业

AM-12

微型全铰接钻机

Micro articulated Rig

钻机样本
Brochure



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主要 施工特点

- 1、动力头大功率顶部冲击，不用潜孔锤和空压机就可以达到冲击钻进的效果，覆盖锚杆、微型桩、旋喷、冲击钻进等多种工艺，适应复杂地层；
- 2、采用优化升级的全铰接式变角机构，通过耳环前置设计，大臂水平时桅杆可垂直摆动，对孔灵活，施工角度广，狭小空间施工稳定性大幅提升；
- 3、标配国三发动机，平台兼容欧五发动机，无需更换结构即可升级，并已预留后处理散热系统及尿素罐的安装位置；
- 4、整机重量约13吨，宽度控制在2.25米以内，海运可集装箱运输，降低运输和转场成本；
- 5、人机交互友好，操控灵活，可升降、可转臂式操作台，施工安全；
- 6、施工应用：适用于狭小空间、隧道、锚杆、微型桩、地基加固、旋喷、土钉等工程，填补小吨位钻机市场空白。

Main characters

- 1、The high-power top impact drifter achieves percussive drilling without DTH hammers or air compressors, covering multiple techniques such as anchor bolts, micro piles, jet grouting, and percussion drilling, while adapting to complex formations.
- 2、Adopts an optimized and upgraded fully articulated angle adjustment mechanism with a front-mounted ear pin design. When the boom is horizontal, the mast can swing vertically, providing flexible hole alignment, a wide construction angle range, and significantly improved stability in confined spaces.
- 3、Standard with China Stage III engine; the platform is compatible with Euro V engines without structural modification, with pre-reserved positions for the after treatment cooling system and a urea tank.
- 4、Total weight approx. 13 tons, width controlled within 2.25 m, allowing container shipping to reduce transport and relocation costs.
- 5、User-friendly with flexible controls; features a lifting and slewing operator station for safe construction.
- 6、Applications: suitable for confined spaces, tunnels, anchor bolts, micro piles, ground improvement, jet grouting, soil nailing, etc., filling a market gap for small-tonnage drill rigs.

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技术参数 Technique specifications

参数	Rig parameters	AM-12		单位 Unit
重量	Weight	14232		kg
运输尺寸	Transport dimension	7200*2250*2880		mm
履带底盘	Undercarriage			
轴距	Wheel base	2127		mm
最大宽度	Max width	2250		mm
履带宽度	Pad width	450		mm
最大爬坡能力	Max. climbing ability	20		°
最快行走速度	Max. speed	1900		m/h
液压动力组件	Power pack			
柴油机功率 ★	Diesel engine ★	119 kW @ 2200 rpm		
电动机功率 ☆	Electric power ☆	/		kW
系统压力	System pressure	30		MPa
系统流量	System flow	300		L/min
液压油容积	Oil tank	350		L
柴油箱容积	Fuel tank	160		L
桅杆	Mast			
推进架行程	Feed stroke	3600		mm
总长	Total length	6320		mm
给进力	Feed force	80		kN
给进速度	Feeding speed	30		m/min
提升力	Lifting force	80		kN
提升速度	Lifting speed	30		m/min
夹持器	Clamps			
夹持范围	Clamping range	φ73-φ300		mm
夹紧力	Clamping force	235		kN
卸扣扭矩	Breaking torque	57000		N·m
动力头参数	Drifter parameters	HD-150 ★	HT-100 ☆	
最大扭矩	Max torque	14000	10000	N·m
最大转速	Max speed	106	85	r/min
最大冲击功	Max impact power	900	/	N·m
最大冲击频率	Max impact frequency	2300	/	bpm
螺纹输出	Threaded output	H112	Φ131	/
施工参数	Construction			
钻孔角度	Hole angle	/		°
钻杆直径	Pipe diameter	/		mm
举升高度	Lifting height	/		mm
一杆到底 ☆	One single path ☆	18000		mm
副塔 ☆	Auxiliary mast ☆	9000+6000		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

Specifications subject to change; please confirm with sales/technical.

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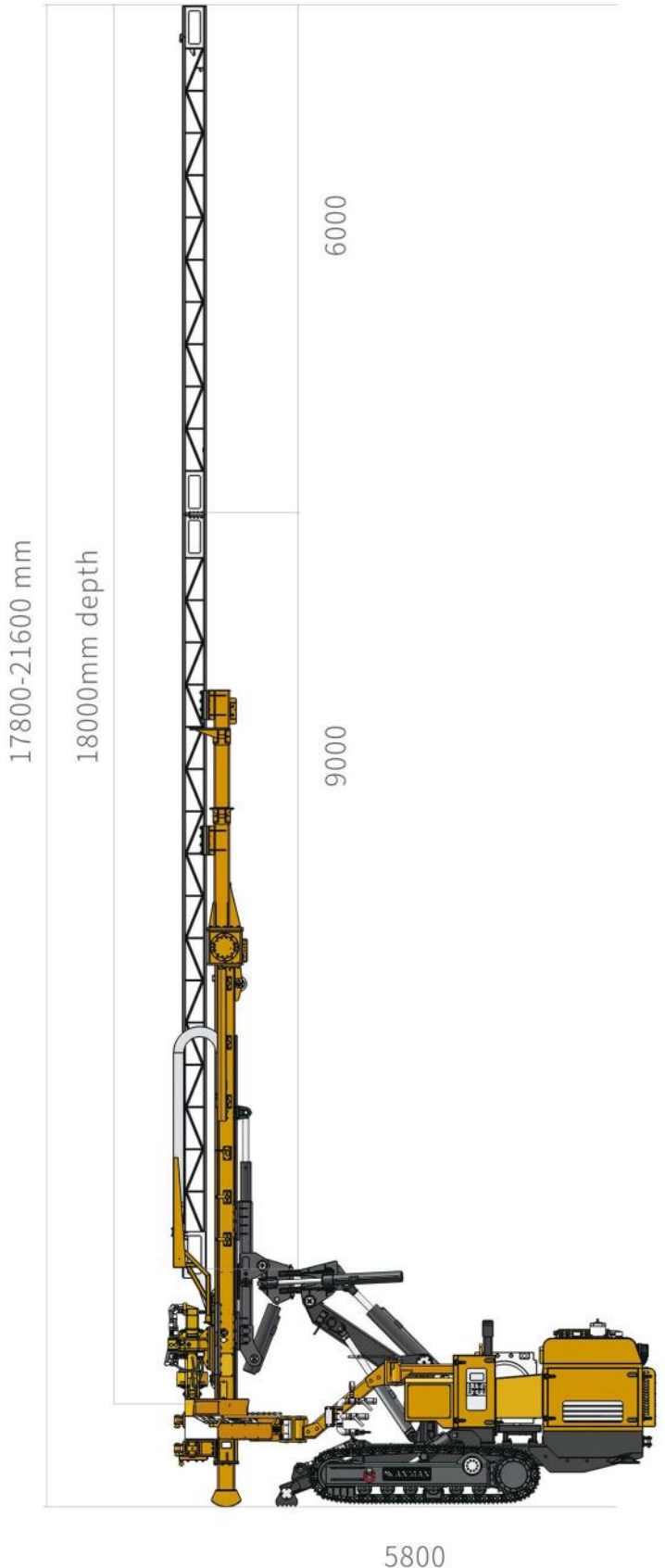
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钻机配置 Sections

- 1、动力头—HD-150顶驱动力头★，HT-100旋喷动力头☆；
- 2、全柴油动力系统—摆脱电缆束缚，转场灵活高效；
- 3、升降式转臂操作台—优化人机协作，提升操作安全；
- 4、优化升级变角机构—反装油缸，对孔精准，施工稳定；
- 5、300mm夹持器—大孔径钻孔施工设计，夹持稳固；
- 6、履带底盘—软地不陷，高塔不晃，移机灵活；
- 7、桅杆可加长 ☆ —通过螺丝连接，按需选配长或短桅杆；
- 8、钻参仪 ☆ —实时监控、记录并显示施工数据；
- 9、下锚机 ☆ —减轻人力，提高下锚索效率；
- 10、旋喷施工15米塔架 ☆ —一杆到底18米；
- 11、行走遥控 ☆ —远距离控制，移机方便。

- 1、Drifter – HD-150 drifter ★, HT-100 rotary head ☆.
- 2、Full diesel power system – free from cable constraints, flexible and efficient relocation.
- 3、Lifting-slewing operator – optimizes human-machine collaboration, enhances safety.
- 4、Upgraded angle adjustment mechanism – for precise hole alignment and stable construction.
- 5、300mm clamp – for large-diameter hole drilling, providing secure gripping.
- 6、Crawler undercarriage – no sinking in soft ground, stable with high mast, flexible relocation.
- 7、Extendable mast ☆ – bolted connection; long or short mast optional as required.
- 8、Data recording system ☆ – monitors, records, and displays real-time construction data.
- 9、Anchor installation unit ☆ – reduces manual labor and improves anchor cable installation efficiency.
- 10、15 m mast for jet grouting ☆
– enables single-pass drilling to 18 m.
- 11、Remote walking control ☆
– long-distance control for convenient relocation.



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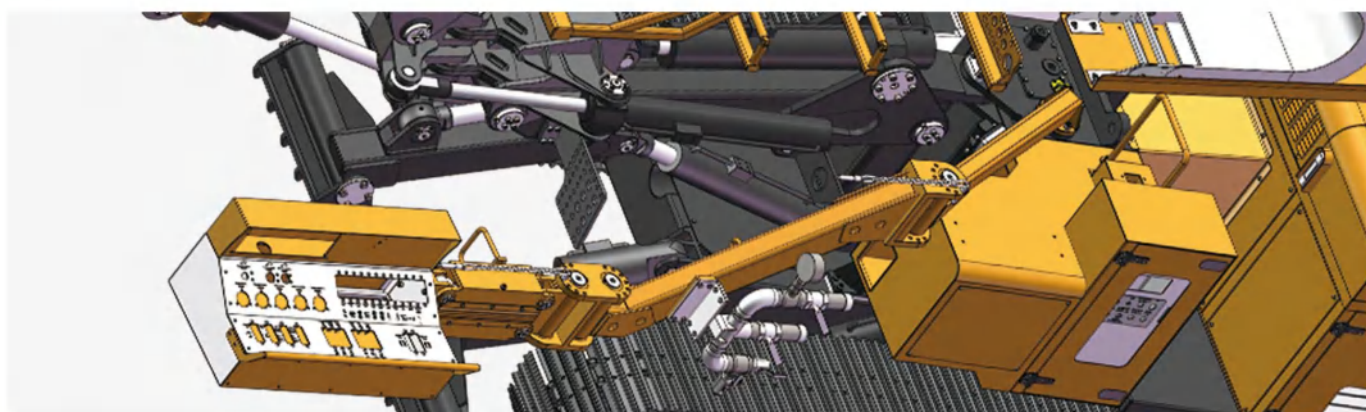
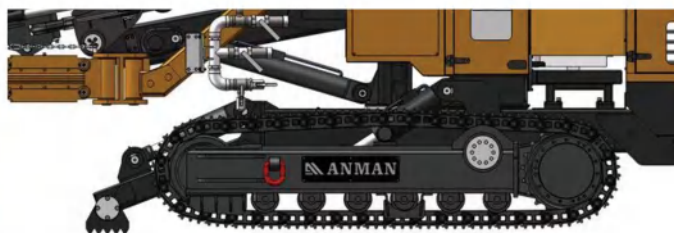
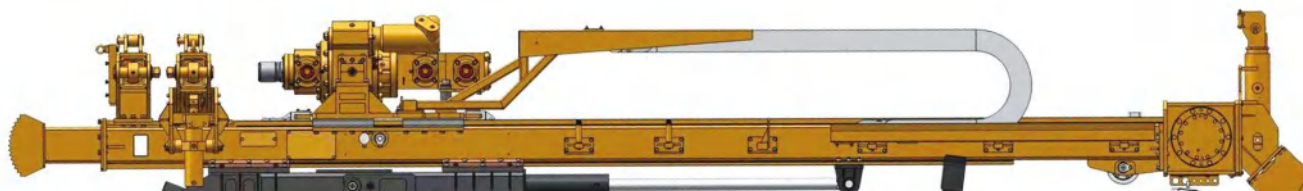
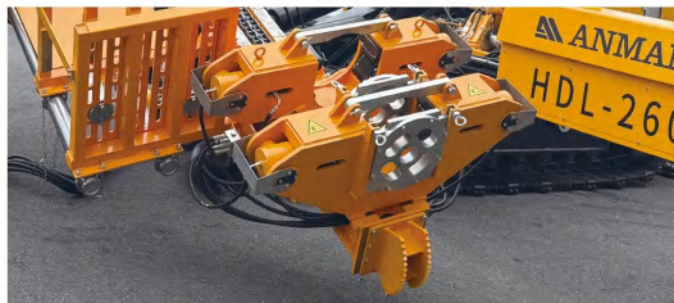
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HD-150 ★

HT-100 ☆



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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