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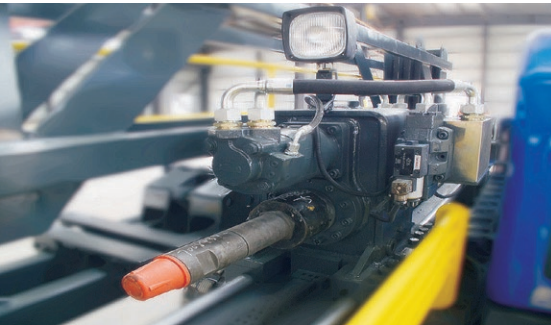
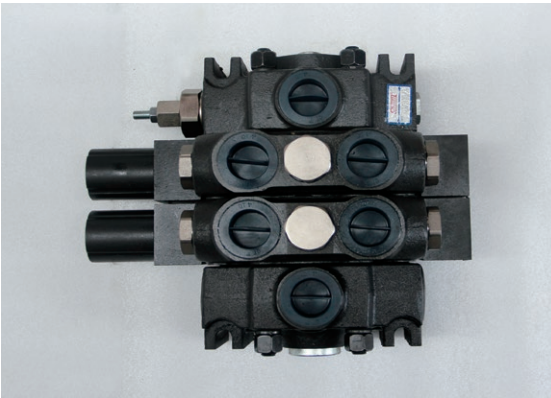
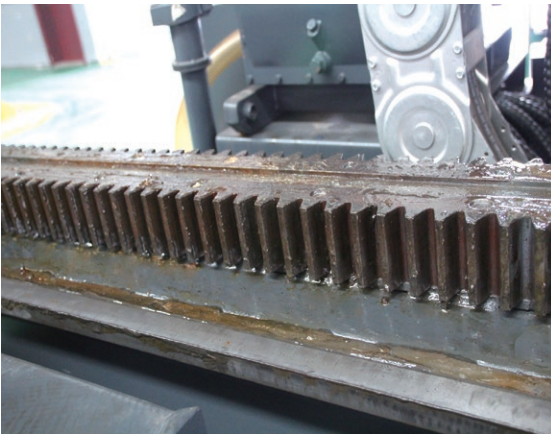
JOVE
恒天九五

水平定向钻机

Horizontal Directional Drilling Rig

JVD200A | JVD200AJ | JVD320A | JVD320AJ | JVD350A | JVD350AJ
JVD380A | JVD420A | JVD420CJ | JVD500A | JVD700A





发动机系统 Engine System

东风康明斯工程机械专用发动机，功率充足，适应恶劣工作环境作业，具备高可靠性能和低油耗的优点。

Cummins engine; It can meet complicated jobsites construction demand. The engine also has high reliability and low energy consumption.

主臂、推拉装置 Main Boom, Pushing and Pullback Device

主臂采用抬升机构，使机器运行平稳，行走时具有最大的接近角和离去角。小吨位采用油缸链条；大吨位采用齿轮齿条推拉装置，运动平稳，推进力大，维修方便，结构可靠。

The main boom used lift mechanism and ring rail way, which keep the machine's stable operation. And have big approach angle and departing angle. Pushing broaching and pullback device use cylinder and chain structure, offering stable move, huge push force, convenient maintenance and reliable structure.

主控制阀 Main Hydraulic Valves

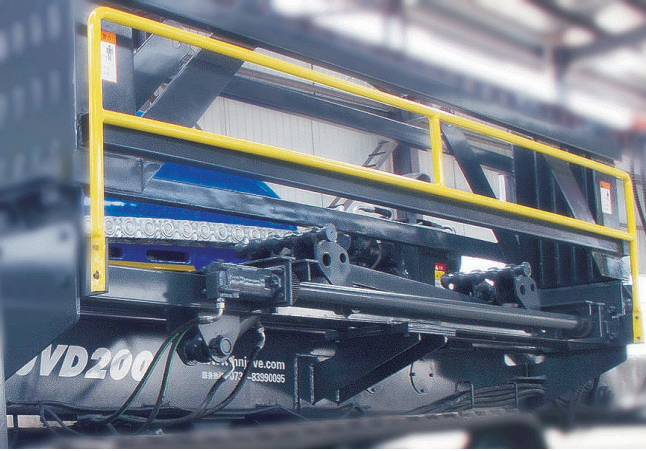
采用大流量液压先导式控制阀，性能可靠。

Adopt imported and reliable high-flow hydraulic valves.

动力头 Power Head

采用国际知名名牌“伊顿”大扭矩摆线马达，动力输出更强劲。电液控制双速回转，操作方便。

The internationally-renowned "Eaton" large torque cycloid motors are used and the power takeoff is much stronger. The two-speed rotation is controlled in the electro-hydraulic way and it is easy to operate.



夹钳装置 Clamping Device

采用开环式夹钳结构，操作直观、方便可靠。

The open-loop clamping structure is adopted, making the operation intuitive, convenient, and reliable.

自动锚杆装置 Auto Anchor Device

全机械液压自动控制的锚杆装置，操作简单、方便，适用于松软地面作业。

The automatically-controlled hydromantic anchor device is easy and convenient to operate and is applicable to the work on the mellow ground.

自动换杆装置 Auto Rod Changing Device

可选配全自动或半自动换杆装置，操作方便，提高安全性，大大降低劳动强度。

Optional for auto or half-auto rod changing devices. It is easy to operate, the security is increased, and the labor intensity is greatly decreased.

钻具、回扩头 Drill Tools, Pullback Head

采用高强度合金导向钻头、分动器以及整体式钻杆，可根据实际情况选用挤压式、切削式或流道式回扩器，经久耐用。

The high resistance alloy drilling bits, transfer devices, and integral drill pipes are adopted. Pressure-fed, extruded, cutting, or flow-passage pullback heads can be selected according to the actual situation and will last long.

主要技术参数 Main Technical Parameters

型号 Model	JVD200A	JVD200AJ	JVD320A	JVD320AJ	JVD350A	JVD350AJ	JVD380A	JVD420A	JVD420CJ	JVD500A	JVD700A
规格 Specifications											
发动机型号 Engine Model	东风康明斯 Cummins QSB5.9-C150(113kW)	东风康明斯 Cummins QSB5.9-C150(113kW)	东风康明斯 Cummins QSB5.9-C180(133kW)	东风康明斯 Cummins QSB5.9-C180(133kW)	东风康明斯 Cummins QSC8.3-C215(160kW)	东风康明斯 Cummins QSC8.3-C215(160kW)	东风康明斯 Cummins QSC8.3-C240(179kW)	东风康明斯 Cummins QSC8.3-C240(179kW)	东风康明斯 Cummins QSC8.3-C240(179kW)	东风康明斯 Cummins 6BTA8.3-C260(194kW)	东风康明斯 Cummins 6BTA8.9-C325(239kW)
整机重量 Total Weight (T)	8.7	9	9	10	10	11	10	11.8	11.9	14.5	23.5
整机外形尺寸 Overall Dimension (L×W×H) (mm)	6230×2200×2610	6540×2280×2358	6230×2200×2610	6330×2280×2358	6370×2285×2600	6370×2285×2384	6370×2285×2600	6335×2300×2525	7272×2300×2550	8350×2300×2400	11000×2650×3000
系统电压 System Voltage (V)	24	24	24	24	24	24	24	24	24	24	24
操作性能 Operating Performance											
最大回拖力 Max. Pullback Force (KN)	215	215	330	330	360	360	405	450	420	530	700
最大扭矩 Max. Torque (N·M)	7500	7500	12800	12800	14800	14800	16500	17500	17500	21000	30000
主轴转速 Spindle Speed (r/min)	0～176	0～176	0～156	0～156	0～146	0～146	0～148	0～172	0～150	0～165	0～130
推拉方式 Push-pull Mode	齿轮齿条 Pinion and Rack										
推拉速度 Push-pull Speed (m/min)	34	34	34	38	38	38	34	38	38	0～13～40	0～13～33
入射角 Incident Angle (°)	12～22	12～22	12～22	14～22	12～22	12～22	8～20	8～20	12～24	8～20	8～20
行走速度 Travelling Speed (km/h)	0～3.8	0～3.8	0～3.8	0～3.8	0～3.8	0～3.8	0～3.8	0～3.5	0～3.5	0～3.5	0～3.5
爬坡能力 Gradeability (°)	19	19	19	19	19	19	19	25	25	25	25
钻具 Drilling Tools											
钻杆直径 Diameter of Drilling Pipe (mm)	60	60	73	73	73	73	76	83	76	89	102
钻杆长度 Length of Drilling Pipe (m)	3	3	3	3	3	3	3	3	3	4.5	6
回扩孔头直径 Backreaming Diameter (mm)	200～700	200～700	300～800	300～800	300～900	300～900	300～900	300～900	300～900	300～1000	300～1300
泥浆泵 Mud Pump											
泥浆泵最大压力 Max. Pressure (MPa)	7	7	8	8	8	8	8	8	8	8	8
泥浆泵最大流量 Max. Flow Rate (L/min)	250	250	250 / 320	320 / 350	320 / 350	320 / 350	350 / 400	400	400	500	600