

## XZ系列水平定向钻机 XZ SERIES HORIZONTAL DIRECTIONAL DRILL

### 施工范例 Construction Cases



XZ300在印度坎布尔穿越恒河2.2公里  
XZ300 HDD works to get through Ganga River by 2.2Km Kanpur



XZ500在马来西亚穿越卢穆特海湾  
XZ5000 works to get through Lumut Bay in Malaysia



XZ960E江西管道项目施工  
XZ960E HDD is working for the pipeline project in Jiangxi Province  
XZ13600河北唐山曹妃甸双龙河穿工程施工  
XZ13600 HDD is working to get through Caofeidian Shuanglong River in Tangshan City  
XZ200水平定向钻机在阿曼施工  
XZ200 HDD working in Oman  
XZ360E水平定向钻机在河南郑州施工  
XZ360E HDD works in Zhengzhou City, Henan Province

随着技术进步产品将不断改进，样本的技术信息与实物可能存在差异  
实际产品的供货状态应以销售合同为准，样本仅供参考  
如果想获取相关产品的最新信息，请您保持与我们的及时联系

With the development of the technology, the product will improve on, and the difference maybe emerge between the material object and the technical information of the sample.  
The condition of the supply goods should go on with the sell contract. The sample only supplies the reference.  
If you need the most recent information of our product, please contact with us in time



# XZ系列 水平定向钻机

## XZ SERIES HORIZONTAL DIRECTIONAL DRILL



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## XZ系列水平定向钻机 XZ SERIES HORIZONTAL DIRECTIONAL DRILL

徐工基础工程机械事业部（简称徐工基础）于2019年8月成立，是徐工集团主机产品核心事业部之一，负责管理均在2010年培育成立的基础公司和铁装公司。徐工基础事业部是研制、生产、销售桩工机械、非开挖机械、煤矿掘进机械、能源钻采机械、山林隧道装备、铁路装备的专业化制造企业。目前拥有全球最大吨位的旋挖钻机和水平定向钻机，“徐工旋挖钻机、水平定向钻机”连续八年稳居国内市场第一，旋挖钻机智能制造车间为“江苏省示范智能车间”，产品出口至欧洲、美洲、非洲、东南亚等全球70多个国家和地区。

Established in August 2019, XCMG Foundation Construction Machinery Business Division (XCMG Foundation for short) is one of the core business divisions of XCMG main machine products. It is responsible for the management of the Foundation Company and Railway Equipment Company that were both established in 2010. XCMG Foundation Business Division is a specialized manufacturing enterprise that develops, produces and sells piling machinery, non-excavation machinery, coal-mine tunneling machinery, energy resource exploitation machinery, mountain tunnel equipment and railway equipment. At present, it owns the world's largest tonnage rotary drilling rig and horizontal directional drilling rig. The rotary drilling rig and horizontal directional drilling rig of XCMG have been in the first place in the domestic market for eight consecutive years, and the intelligent manufacturing workshop of the rotary drilling rig is the "Intelligent Demonstration Workshop of Jiangsu Province", with products exported to more than 70 countries and regions around the world including Europe, America, Africa and Southeast Asia.

事业部聚焦于地下工程领域，深耕地下岩土及资源的“钻、掘、采”产品和工法技术，不断优化成套化产品板块群，成为全球最大的钻采类机械研发生产基地和综合服务提供商。

Focusing on the underground construction field, the business division industriously not only industriously researches the "drilling, excavation & exploitation" products as well as construction techniques of underground rock-soil and resources, but continuously optimizes the complete set of product group, making it the world's largest R&D and production base for drilling machinery and comprehensive service provider.

面向“十四五”，徐工基础正在实施“智能+生态”的千亩新型产业园方案，规划建设基础工程机械工业园区，提升桩工机械、煤矿、资源钻采机械等产品智能化生产能力和关键结构件制造能力。目前事业部正以高质量发展速度迈向百亿级企业、致力于打造世界桩工机械第一品牌。

Faced with the "14th Five-Year Plan", XCMG Foundation is implementing the "Intelligence + Ecology" 1000-mu new industrial park plan, planning to build the foundation construction machinery industrial park, and upgrading the intelligent production capacity of products such as piling machinery, coal mine machinery, as well as energy resource exploitation machinery & the manufacturing capacity of key structural components. At present, the business division is moving towards a ten-billion enterprise with high-quality development speed, and is committed to building the world's first brand of piling machinery.



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### 技术特点

### Performance characteristic

### 主要技术参数 Main Technical Specification

型号Type		XZ120E	XZ200	XZ320D	XZ320E	XZ360E	XZ400	XZ420E	XZ450	XZ450Plus	XZ680A	XZ960E	XZ1000A	XZ1350	XZ1600	XZ2200	XZ2860	XZ3600	XZ5060	XZ6600	XZ8600	XZ10600	XZ13600	
发动机Engine	型号Model	康明斯Cummins 4BTA3.9-C100	康明斯CUMMINS QSB5.9-C150	康明斯CUMMINS QSB5.9-C210	康明斯CUMMINS QSB5.9-C210	康明斯CUMMINS QSB5.9-C210	康明斯CUMMINS QSC8.3-C240	康明斯CUMMINS QSC8.3-C240	康明斯CUMMINS QSL8.9-C260	上柴 SDEC SC9DF300G3	康明斯CUMMINS QSL8.9-C325	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C325	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C360	康明斯CUMMINS QSL8.9-C360	康明斯Cummins QSZ13-C550	康明斯Cummins QSZ13-C550	康明斯Cummins QSZ13-C550	康明斯Cummins QSZ13-C550
	额定功率Power rating(kW/r/min)	74/2200	113/2200	154/2200	154/2200	154/2200	179/2200	194/2200	194/2200	242/2100	221/2200	264/2100	264/2100	2×242/2100	2×242/2100	2×264/2100	2×264/2100	2×354/1900	2×410/1900	3×410/1900	3×410/1900	4×410/1900	4×410/1900	
推拉Thrust-Pull	推拉力Max pull / thrust force (kN)	133	225	320	345	370	400	420	480	960	725	970	1075	1795	1650	2200	2860	3600	5300	6600	8600	10600	13600	
	最大速度Max pull / thrust speed(m/min)	39	32	22	36	32	28	42	42	28	32	50	35	27	35	30	30	33	32	32	32	32	32	
旋转Rotation	扭矩Torque (N·m)	3000	6350	12000	12600	13200	14000	18500	23500	31000	33000	43000	50500	75000	75000	100000	120000	160000	180000	240000	240000	260000	260000	
	最高转速Max spindle speed (r/min)	230	160	140	140	140	104	145	135	135	110	120	100	89	90	95	76	80	90	90	90	100	100	100
泥浆泵Mud pump	最大流量Max flow rate (L/min)	100	250	320	320	400	450	450	600	600	600	600	600	600	600	20	20	20	20	20	20	20	20	20
	最大压力Max pressure (Mpa)	4	8	8	8	8	8	8	10	10	10	10	10	10	20	20	20	20	20	20	20	20	20	20
钻杆Pipe	直径×长度Diameter × Length (mm × m)	Φ52×1.8	Φ60×3	Φ73×3	Φ73×3	Φ73/83×3	Φ83×3	Φ83×3	Φ89×4.5	Φ89×4.5	Φ102×6	Φ102×6	Φ127×6	Φ127×6	Φ127×6	Φ127×6	Φ127×6	Φ140×9.6	Φ140/168×9.6	Φ168/194×9.6	Φ194×9.6	Φ194×9.6	Φ219/Φ254×9.6	Φ219/Φ254×9.6
随车起重机Loader Crane	起吊重量Lifting weight (t)	/	/	/	/	/	/	/	/	2	2	2	2	2	3.2	3.2	3.2	3.2	5	5	5	5	10	10
	起升力矩Lifting capacity (t·m)	/	/	/	/	/	/	/	/	4	4	4	4	4	6.4	6.4	6.4	6.4	12.5	12.5	12.5	12.5	12.5	25
最大入土角Max inclination angle	(°)	20	22	20	20	20	20	20	20	20	18	20	18	17	16	16	16	16	16	16	16	16	16	16
最大回扩直径Max backreamer diameter	(mm)	Φ400	Φ600	Φ800	Φ800	Φ900	Φ900	Φ900	Φ1000	Φ1000	Φ1000	Φ1000	Φ1000	Φ1200	Φ1300	Φ1400	Φ1400	Φ1600	Φ2000	Φ2000	Φ2500	Φ2500	Φ2500	Φ2500
质量Weight	(t)	4.5	8.5	10	10	10.5	11.5	11.2	13.3	13.5	21	16.2	23	25	30	46	48	59	65	78	80	135		
外形尺寸(l×w×h)Dimension	(mm)	4500×1450×1800	5900×2250×2450	6500×2250×2450	6200×2240×2450	6200×2240×2450	7080×2450×2450	6500×2250×2450	8800×2280×2610	8800×2280×2610	11165×2840×3000	10650×2450×2600	11500×2900×3000	11680×2760×3540	12700×3030×3500	12700×3030×3550	17500×3200×3550	20000×3400×3770	18700×3200×3600	19900×3200×3600	19900×3200×3600	20000×3400×4700		
选配Optional configuration	/	海外专供For overseas market only	/	7.驾驶室；8.冷暖空调；9.柱塞泵液压系统。VII.Cab; VIII.Air-condition; IX.Piston pump hydraulic system.	/	1.全自动抓手(钻杆箱); 2.半自动抓手; 3.双锚固; 4.泥浆防冻; 5.泥浆清洗; 6.丝扣油自动涂抹。 I. Full-automatic pipeloader; II. Semi-automatic pipeloader; III. Split type operating room. I. Dual automatic anchor; II. Mud antifreeze; III. Mud Cleaning; I. Full-automatic pipeloader; II. Semi-automatic pipeloader; III. Dual automatic anchor; IV. Mud antifreeze; V. Mud Cleaning; VI. Automatic thread oil; VII. Cab; VIII. Air-condition; IX. Piston pump hydraulic system.	/	1.全自动抓手(钻杆箱); 2.泥浆防冻; 3.泥浆清洗; 4.丝扣油自动涂抹。 I. Full-automatic pipeloader; II. Semi-automatic pipeloader; III. Mud antifreeze; IV. Mud Cleaning; V. Mud Cleaning; VI. Automatic thread oil; VII. Cab; VIII. Air-condition; IX. Piston pump hydraulic system.	/	半自动抓手Semi-automatic pipeloader.	/	/	/	1.半自动抓手; 2.分体式操作房 I. Semi-automatic pipeloader; II. Split type operating room.	分体式操作房Split type operating room.	独立动力站、分体式操作房Independent power station. Split type operating room.								

