

INNOVATIVE HIGHLAND ENDURING HIGHLAND

特种钻机 SPECIALTY DRILLING RIGS

特种钻机以电驱动为主，基本参数符合行业标准，主要部件制造符合API有关规范。包括海洋钻修机、沙漠、低温、轨道和低温轨道钻机。
The specialty drilling rigs are primarily electrical motor driven rigs, with basic parameters up to industry standards and key components to API specifications. Marine workover rigs, desert drilling rigs, cryogenic drilling rigs, skid-mounted drilling rigs and cryogenic skid-mounted drilling rigs are all defined as specialty drilling rigs.

特种钻机性能特点:

- 1、海洋钻修机采用模块化设计理念，完全满足海洋平台对钻修设备功能、空间和海域环境的要求；
- 2、沙漠钻机的发电机组、泥浆泵组、固控系统、空气处理装置、钻台及二层台等特殊工位具有防风防沙功能，适用于沙漠作业和迁移；井架、底座可以整体运输；
- 3、低温钻机采用低温材料，配备蒸汽加热、定点加热和保温设施，工作环境温度-45℃ ~ +50℃；
- 4、轨道钻机可实现整体移动，适合丛式井钻探。

Characteristics:

1. The marine workover rig adopts modular design to realize service functions in restricted platform space and survive marine environment impact;
2. The desert drilling rig has its key assemblies, such as generator package, mud pumps, solid control system, air compressor, drilling floor and monkey board, protected from wind and sand. It is especially designed for desert applications and fast mobilization; Desert rig mast, substructure can be shipped as a whole;
3. The cryogenic drilling rig adopts cryogenic materials and has key components steam heated, locally heated or thermal insulated, making it applicable under temperature of -45°C ~ +50°C;
4. The skid-mounted drilling rig can be moved as a unit and is especially suitable for cluster well applications.

特种钻机参数

Basic Parameters of Specialty Drilling Rigs

型号 Model	ZJ40/2250DBM (低温Cryogenic)	ZJ50/3150DBM (低温Cryogenic)	HYZJ50/3150DB (海洋Marine)	HYZJ70/4500DB (海洋Marine)	HYZJ90/6750DB (海洋Marine)	
名义钻深范围m (114mm钻杆) Drilling Depth, m (4 1/2" DP)	2500 ~ 4000	3800 ~ 5000	3800 ~ 5000	4500 ~ 7000	6000 ~ 9000	
最大钩载,kN Max. Hook Load,kN	2250	3150	3150	4500	6750	
钻井钢丝绳直径,mm Dia., Wire Line,in	32 (1 1/4)	35 (1 3/8)	35 (1 3/8)	38 (1 1/2)	45 (1 3/4)	
绞车 Drawworks	额定功率 Rated Power, kW (hp)	735 (1000)	1100 (1500)	1100 (1500)	1470 (2000)	3200 (4350)
	档位 Speed	II 档, 无级调速 2 speed, stepless speed regulation				
	主刹车 Main Brake	能耗制动 Motor Dynamic Braking				
	辅助刹车 Auxiliary Brake	液压盘式刹车 Hydraulic Disc Brake				
天车 Crow Block	TC225	TC315	TC315	TC450	TC675	
游车 Traveling Block	YC225	YC315	YC315	YC450	YC675	
大钩 Hook	DG225	DG315	DG315	DG450	DG675	
水龙头 Swivel	SL225	SL450-II	SL450-II	SL450-II	SL675	
转盘 Rotary Table	型号 Model	ZP275	ZP375	ZP375	ZP375	ZP495
	档位 Speed	I 档 无极调速 1 speed, stepless speed regulation				
泥浆泵 Mud Pump	型号 × 台数 Model × Number	F-1300 × 2	F-1600 × 2	F-1600 × 2	F-1600 × 3	F-1600 × 3
井架 Mast	形式 Type	K		塔型 (按需) Pyramid Type (if necessary)		
	工作高度, m Clear Height	41.5	43	45.5	48	48
钻台底座 Substructure	形式 Type	橇装移动 Skid modular	旋升式移动 Swing-up	整体式 Integral		
	钻台高度, m Height, Drill Floor	7.5	9			