

TRAILER-MOUNTED DRILLING RIG WITH INTEGRAL MAIN FRAME

Model ZJ40/2250DT, ZJ50/3150DT and ZJ7DT trailer mounted drilling rigs are newly developed in recent years range 4000-7000 meters drilling depth. Such series rigs are designed for relative flat desert and Gobi area, which features simple and reliable drive system, less transportation loads and easy moving.



TECHNICAL FEATURES

- With advanced AC-SCR-DC or AC-VFD-DC electric drive technology and good drilling performance.
- Module-type substructure or parallelogram substructure rigged-up by drawworks power (oil cylinder) and telescoping mast or K-mast are adopted. Top drive fitting is available;
- The main frame can be moved integrally or separately, the mast can be moved as a whole by wheels, and the power unit can be moved by wheels integrally or separately.
- Highly modularized, the drilling rig can be moved with fewer trucks. The trucks used are 1/3 of what we normally use for a complete rig.
- Moving time is only 1/4 of what it takes for a normal rig. With less expense and high efficiency.
- Top drive can be equipped.



TECHNICAL PARAMETER

Drilling rig model		ZJ40/2250DT	ZJ50/3150DBT	ZJ50/3150DT	ZJ70/4500DBT
Nominal drilling depth, m	127mm(5")drill pipe	2000-3200	2800-4500	2800-4500	4000-6000
	114mm(4 1/2") drill pipe	2500-4000	3500-5000	3500-5000	4500-7000
Max. hook load, kN		2250	3150	3150	4500
Max. pull of fast line, kN		280	350	350	487
Line strung of hoisting system		10	10	12	12
Drill line diameter, mm		32	35	35	38
Drawworks	Model	JC-40DT	JC-50DB	JC-50D	JC-70DB
	Power rating,kW(HP)	735(1000)	1100(1500)	1100(1500)	1470(2000)
	Speed	2+2R DC, Smooth change	I+IR VFD, Smooth change	4+4R, Smooth change	I+IR VFD, Smooth change
Main brake		Hydraulic disc brake	Hydraulic disc brake + Regenerating brake	Hydraulic disc brake	Hydraulic disc brake + Regenerating brake
Auxiliary brake		pneumatic drive and water-cooled disk brake	Hydraulic disc brake + Regenerating brake	Eddy disc brake	Hydraulic disc brake + Regenerating brake
Crown block		TC225	TC315	TC315	TC450
Traveling block		YC225	YC315	YC315	YC450
Hook		DG225	DG315	DG315	DG450
Swivel	Model	SL315	SL450-5	SL450-5	SL450-5
	Stem dia., mm	75	75	75	75
Rotary table	Table opening, mm(in)	698.5(27.5)	952.5(37.5)	952.5(37.5)	952.5(37.5)
	Speed	1+1R Smooth change	2+2R Smooth change	1+1R Smooth change	1+1R Smooth change
	Drive mode	Independent chain drive	Independent chain drive	Independent chain drive	Independent chain drive
Mast	Type	K, two sections, telescoping		K	
	Height, m	43	45	45	46.5
Substructure	Type	Integrated	swing lift or sling shot	swing lift	