

## BZT1500 Trailer Mounted Water Well Drilling Rig



1 This drilling rig is one type of normal-circulation rotator. The chassis of full-trailers is applied in this drilling rig which is being equipped with all-steel meridian tires with good off-road performance.



2 Driven by independent diesel engine, this drilling rig is powerful and full of great force.

3 This drilling rig is equipped with two hoisters, so three-speed (fast-middle-slow) lifting and lowering can be achieved to improve working efficiency of well drilling by big lifting force.

4 This drilling rig is equipped with four hydraulic support legs and two mechanical support legs. Hydraulic mechanical double-locking can be realized by means of oil-cylinder piston rod of each hydraulic support leg. In this way, the chassis will not lose stability even if the oil-cylinder leaks.

5 The drill tower applies telescopic structure of internal and external towers whose positioning can be finished through hydraulic cylinder.

6 This drilling rig is fitted with a 50kW generator which is convenient for customers to perform drilling operations.

Parameter				
Rotary table	Inner hole diameter of rotary table 660mm			
	drilling depth (m)	1500m	1200m	1000m
	fitted drilling rod (mm)	φ89	φ114	φ127
Rotating speed of drilling (forward and reverse)	37,52,84,145,			
Max torque of rotary table (kn·m)	25			
Winch	main winch	Tensile force of single rope of main winch:90kN		
		Speed of single rope of main winch : 0.84, 1.90, 3.3m/s		

		Steel rope diameter D-6×19 φ26mm
	auxiliary winch	Speed of single rope of vice winch 50kN
		Steel rope diameter D-6×19 φ20mm
Engine	type	NTA855-C360
	Rated speed (r/min)	2100
	Power (kw)	264
Mast	Effective height (m)	18.5
	Rated undertaking load of drill tower (t)	60
Kelly (mm)	108×108×12192	
Hook	Carrying capacity (t)	60
Piston pump	type	BW1200/7
	pressure (MPa)	7.0
	Theoretically flow (L/min)	1200
	Piston stroke (mm)	270
	Piston diameter (mm)	160
Transportation size (mm)	15500×2800×4700	
Work size(mm)	11445×3800×19500	
Speed of travel	20Km/h	