

ZOOMLION ROTARY DRILLING RIG

ZR160L



ZR160L Rotary Drilling Rig

1. The whole machine can be transported with Kelly bar to realize quick transfer between operation and transportation.

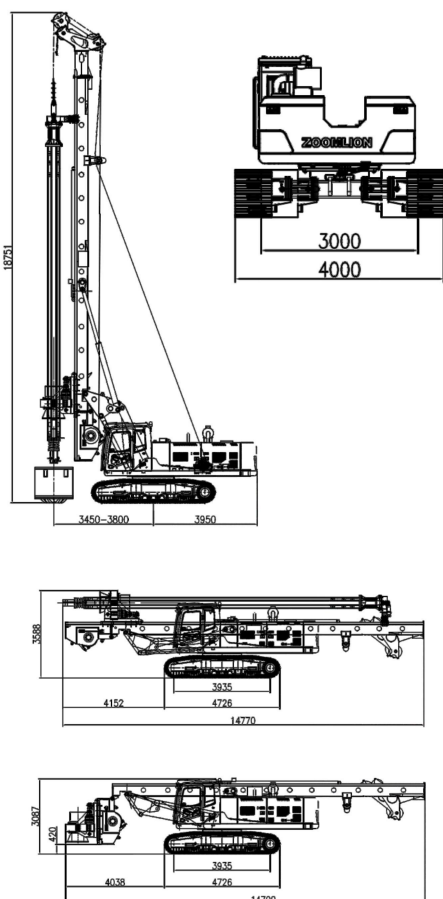
2. Only one trailer for the whole machine, each time the transportation cost is saved by 30%.

3. High construction efficiency thanks to big flow main pump, multi-gear rotary drive, and two-speed crowd cylinder.

4. More stable structure and stronger bearing capacity thanks to enhanced mast section, lower center of gravity, large slewing support, and reinforced chassis.

5. New generation cab with better vision, more comfortable operation, new electrical control panel. 360 degree full view monitoring.

6. Options: Remote control, auto-lubrication, spin-off.



Main Specification	Unit	Value	Note
Drilling			
Max. drilling diameter	mm	1500	
Max. drilling depth	m	56/44	friction/inter-lock
Rotary drive			
Max. output torque	kN.m	160	
Rotary speed range	rpm	5 ~ 35	
Crowd system			
Crowd method		Cylinder	
Crowd force push	kN	160	
Crowd force pull	kN	160	
Max. stroke of crowd	mm	4500	
Main winch			
Drum structure type		Double layer	
Max. line pull	kN	160	
Max. speed of line	m/min	82	
Diameter of wire rope	mm	26	
Aux. winch			
Max. line pull	kN	60	
Max. speed of line	m/min	80	
Diameter of wire rope	mm	18	
Inclination angle of mast			
Forward/backward	°	5/90	
Left/right	°	±3.5	
Engine			
Model		Cummins QSB5.9	
Rated power of engine	kW	154	
Emission standard		Stage III	
Displacement of engine	L	5.9	
Undercarriage			
Distance of tracks	mm	3000~4000	(min.~max.)
Width of track shoe	mm	700	
Slewing radius (rear)	mm	3950	
Overall main machine			
Operation weight	t	50	
Max. traction force	kN	330	
Max. travelling speed	km/h	2.1	
Overall height	m	18.8	
Transport with Kelly bar		Yes	
Transport height	mm	3588	(with Kelly bar)
Kelly bar types available			
	Types	Drilling depth(m)	Note
	Friction Φ 377 - 5×12m	56	
	Inter-locking Φ 377 - 4×12m	44	



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