

ZOOMLION ROTARY DRILLING RIG ZR300L

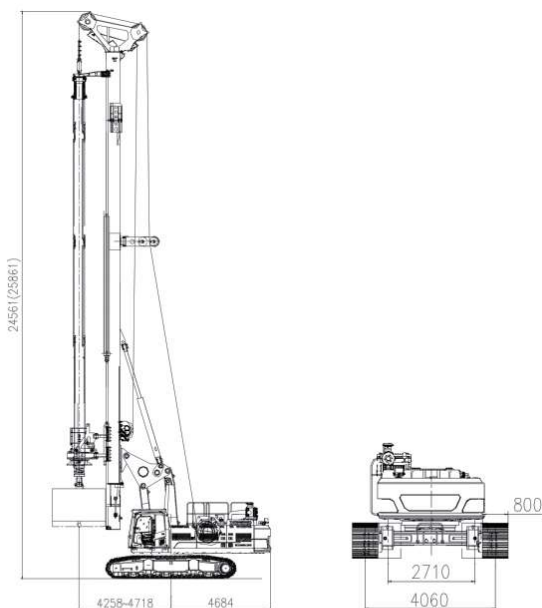


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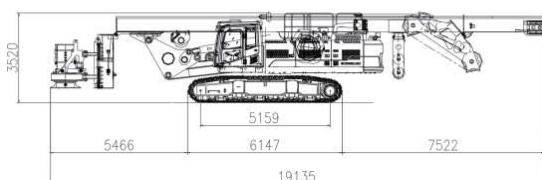
V 2021.11

ZR300L Rotary Drilling Rig

- **Fixed mast support.** Equipment can be transferred easily and quickly.
- More **stable structure** and stronger bearing capacity thanks to enhanced mast section, double movable booms with parallel luffing mechanism, large slewing support, and reinforced chassis.
- Rotary drive with **three motors**, which ensures large torque, high reserve coefficient and stronger construction capacity.
- High construction **efficiency** thanks to big flow main pump, multi-gear rotary drive, and two-speed crowd cylinder.
- The rear main winch with **single-layer-rope drum** and twin reducers mechanism, which extends service life of the steel wire rope significantly.
- **New generation cab** with better vision, more comfortable operation, new electrical control panel. 360 degree full view monitoring.



Main Specification	Unit	Value	Note
Drilling			
Max.drilling diameter	mm	2500	
Max.drilling depth	m	88/58	friction/inter-lock optional
		94/62	
Rotary drive			
Max. output torque	kN·m	320	
Rotary speed range	rpm	6~33	
Crowd system			
Crowd method		cylinder	
Crowd force push	kN	260	
Crowd force pull	kN	335	
Max. stroke crowd	mm	6000	
Main winch			
Max. line pull	kN	340	
Max. speed of line	m/min	72	
Diameter of wire rope	mm	36	
Aux. winch			
Max. line pull	kN	90	
Max. speed of line	m/min	70	
Diameter of wire rope	mm	22	
Inclination angle of mast			
Forward/backward	°	5/90	
Left/right	°	±4	
Engine			
Model		Cummins QSM11	
Rate power of engine	kW	298	
Emission standard		Stage III	
Displacement of engine	L	10.8	
Undercarriage			
Distance of tracks	mm	3510~4860	min.~max.
Width of track shoe	mm	800	
Slewing radius	mm	4684	
Overall main machine			
Operation weight	t	105	
Max. traction force	kN	560	
Max. travelling speed	km/h	1.72	
Overall height	m	24.6/(25.9)	



Kelly bar types	Drilling depth (m)	Notes
Friction Φ508-6x16m	88	
Inter-locking Φ508-4x16m	58	standard
Friction Φ508-6x17m	94	
Inter-locking Φ508-4x17m	62	

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*Note: Specifications are subject to change without prior notice in accordance with our continuous technical innovations.(V21-11)

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