

# ZOOMLION ROTARY DRILLING RIG ZR255

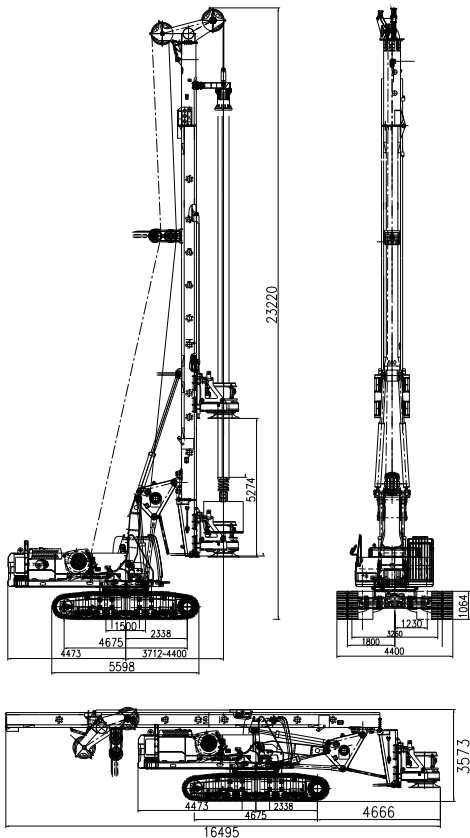


**ZOOMLION**

V 2021.11

# ZR255 Rotary Drilling Rig

- The rear main winch with single-layer-rope drum and two gear box mechanism, which **extends service life** of the steel wire rope significantly.
- High construction **efficiency** thanks to big flow main pump, multi-gear rotary drive, and two-speed crowd cylinder.
- More **stable** structure and stronger bearing capacity thanks to the 5th generation rotary drive, large supporting angle of the mast cylinder, lower center of gravity, and reinforced chassis.
- One key for **folding cathead**, fixed mast support. Equipment can be transferred easily and quickly.
- Version 2.0 power matching and limit load control technology, working efficiency increased by 10%.
- New generation cab with better vision, more comfortable operation, new electrical control panel. 360 degree full view monitoring.
- **Options:** Crowd winch model **ZR255D**, spin-off, auto-lubrication.



Main Specification	Unit	Value	Note
<b>Drilling</b>			
Max.drilling diameter	mm	2000	
Max.drilling depth	m	70/56	friction/inter-lock
<b>Rotary drive</b>			
Max. output torque	kN·m	260	
Rotary speed range	rpm	6~ 26	
<b>Crowd system</b>			
Crowd method		Cylinder	
Crowd force push	kN	220	
Crowd force pull	kN	230	
Max. stroke crowd	mm	5300	
<b>Main winch</b>			
Max. line pull	kN	240	
Max. speed of line	m/min	70	
Diameter of wire rope	mm	32	
<b>Aux. winch</b>			
Max. line pull	kN	90	
Max. speed of line	m/min	80	
Diameter of wire rope	mm	22	
<b>Inclination angle of mast</b>			
Forward/backward	°	5/90	
Left/right	°	±4.5	
<b>Engine</b>			
Model		Cummins QSL9	
Rate power of engine	kW	242	
Emission standard		Stage III	
Displacement of engine	L	8.9	
<b>Undercarriage</b>			
Distance of tracks	mm	3260~4400	min.~max.
Width of track shoe	mm	800	
Slewing radius	mm	4473	
<b>Overall main machine</b>			
Operation weight	t	80	
Max. traction force	kN	423	
Max. travelling speed	km/h	2.26	
Overall height	m	23.2	

Kelly bar Types	Drilling depth (m)	Notes
Friction Φ440 - 5x15.5m	70	
Inter-locking Φ440- 4x15.5m	56	standard
Friction Φ440 - 5x13.5m	60	
Inter-locking Φ440- 4x13.5m	48	

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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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