ZOOMLION ROTARY DRILLING RIG ZR140



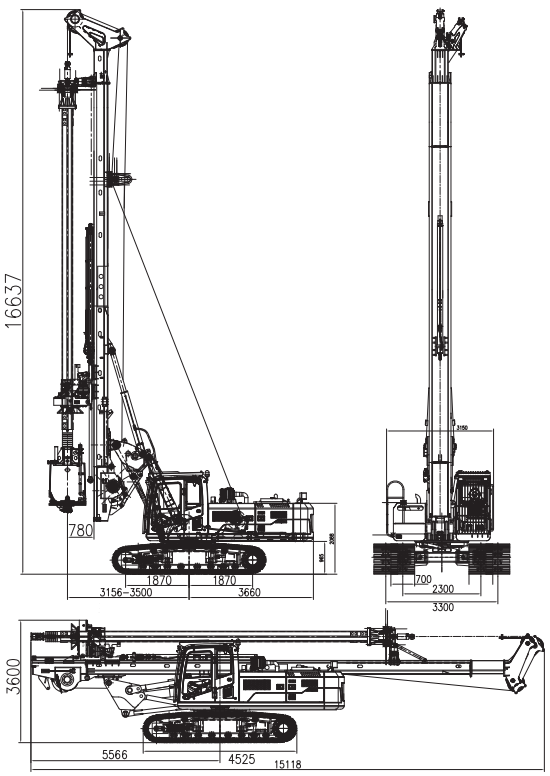
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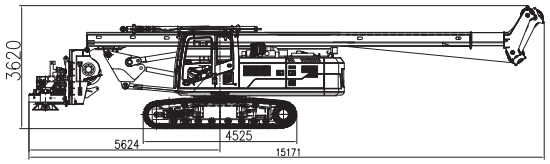
ZR140 Rotary Drilling Rig

- The whole machine can be **transported with Kelly bar** to realize quick transfer between operation and transportation.
- **Cummins engine** with reliable performance and strong output power.
- High construction **efficiency**, thanks to adoption of large displacement main pump and optimizing power system.
- **Less fuel consumption**, thanks to adoption of a new generation of electronic control platform and proportional control hydraulic system.
- The auxiliary winch can **lift Dia.0.8m steel cage** (with a Kelly bar).

  Automatic **multi-self-checking**, safety and performance monitoring.
- **Options:** Spin-off, auto-lubrication.



transportation with Kelly bar



Main Specification	Unit	Value	Note
Drilling			
Max.drilling diameter	mm	1300	
Max.drilling depth	m	44/35	friction/inter-lock
Rotary drive			
Max. output torque	kN·m	140	
Rotary speed range	rpm	6~33	
Crowd system			
Crowd method		Cylinder	
Crowd force push	kN	130	
Crowd force pull	kN	160	
Max. stroke crowd	mm	3500	
Main winch			
Max. line pull	kN	140	
Max. speed of line	m/min	80	
Diameter of wire rope	mm	22	
Aux. winch			
Max. line pull	kN	80	
Max. speed of line	m/min	70	
Diameter of wire rope	mm	22	
Inclination angle of mast			
Forward/backward	°	5/90	
Left/right	°	±5	
Engine			
Model		Cummins QSB5.9-C16	
Rate power of engine	kW	119	
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	mm	3660	
Overall main machine			
Operation weight	t	40	
Max. traction force	kN	250	
Max. travelling speed	km/h	2.2	
Overall height	m	16.7/(14.7)	
Transport with Kelly bar		Yes	
Transport height*	mm	3587	with Kelly bar

*Transport with 10m Kelly bar

Kelly bar Types	Drilling depth (m)	Notes
Friction Φ355 - 5x10m	44	
Inter-locking Φ355 - 4x10m	35	
Friction Φ355 - 5x8m	35	
Inter-locking Φ355 - 4x8m	28	

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