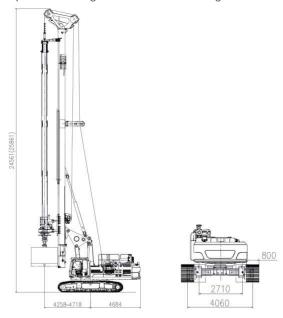
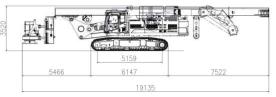


## **ZR300L Rotary Drilling Rig**

- 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.





Max.drilling diameter   mm   2500	Main Specification	Unit	Value	Note	
Max.drilling diameter         mm         2500           Max.drilling depth         m         88/58         friction/inter-lock optional           Rotary drive         Max. output torque         kN·m         320           Rotary speed range         rpm         6~33           Crowd system           Crowd force push         kN         260           Crowd force push         kN         260           Crowd force push         kN         335           Max. stroke crowd         mm         6000           Max. stroke crowd         mm         6000           Max. line pull         kN         340           Max. speed of line         m/min         72           Diameter of wire rope         mm         22           Inclination angle of mast           Forward/backward         °         5/90           Left/right         °         4           Engine         kW         298           Emission standard         Stage III           Displacement of engine         L         10.8           Undercarriage	Drilling				
Max.drilling depth         m         94/62         optional           Rotary drive         Max. output torque         kN·m         320           Rotary speed range         rpm         6~33           Crowd system         Crowd force push         kN         260           Crowd force push         kN         335         Max.stroke crowd         mm         6000           Max. stroke crowd         mm         6000         Max.stroke crowd         mm         6000           Max. line pull         kN         340         Max.stroke crowd         Min.max.stroke crow	Max.drilling diameter	mm	2500		
Rotary drive  Max. output torque kN·m 320 Rotary speed range rpm 6~33  Crowd system  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. tracvelling speed km/h 1.72			88/58	friction/inter-lock	
Max. output torque	Max.drilling depth	m	94/62	optional	
Rotary speed range rpm 6~33  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	Rotary drive			·	
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. traction force km 1325	Max. output torque	kN∙m	320		
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         °         \$ 44           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         severall main mac	Rotary speed range	rpm	6~33		
Crowd force push kN 335 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	Crowd system				
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	Crowd method		cylinder		
Max. stroke crowd         mm         6000           Main winch         6000         6000           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. 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         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           Overall main machine         Operation weight         t         105           Max. traction force         kM         560           Max. travelling sp	Crowd force push	kN	260		
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	Crowd force pull	kN	335		
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	Max. stroke crowd	mm	6000		
Max. speed of line	Main winch				
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	Max. line pull	kN	340		
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	Max. speed of line	m/min	72		
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	·	mm	36		
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	Aux. winch				
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	Max. line pull	kN	90		
Inclination angle of mast  Forward/backward  c 5/90  Left/right c ±4  Engine  Model Cummins QSM11  Rate power of engine kW 298  Emission standard 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	Max. speed of line	m/min	70		
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	Diameter of wire rope	mm	22		
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	·				
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	Forward/backward	٥	5/90		
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	Left/right	٥	±4		
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	Engine				
Emission standard 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 Max. traction force kN 560 Max. travelling speed km/h 1.72			Cummins QSM11		
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	Rate power of engine	kW	298		
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	Emission standard		Stage III		
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	Displacement of engine	L	10.8		
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	Undercarriage				
Slewing radius         mm         4684           Overall main machine         0           Operation weight         t         105           Max. traction force         kN         560           Max. travelling speed         km/h         1.72	Distance of tracks	mm	3510~4860	min.~max.	
Overall main machine           Operation weight         t         105           Max. traction force         kN         560           Max. travelling speed         km/h         1.72	Width of track shoe	mm	800		
Operation weight         t         105           Max. traction force         kN         560           Max. travelling speed         km/h         1.72	Slewing radius	mm	4684		
Operation weight         t         105           Max. traction force         kN         560           Max. travelling speed         km/h         1.72	Overall main machine				
Max. traction force kN 560 Max. travelling speed km/h 1.72		t	105		
3 1		kN	560		
Overall height m 24.6/(25.9)	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 Ф508-4x16m	58	standard
Friction Φ508-6x17m	94	
Inter-locking Ф508-4x17m	62	



