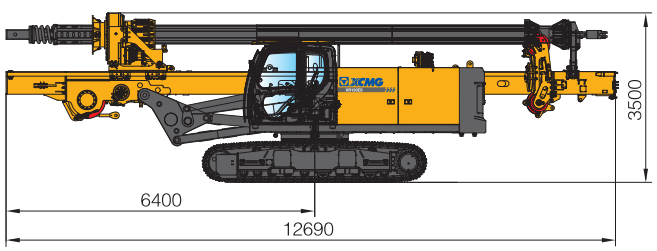
Parameter		Unit	Data
Max. drilling diameter		mm	ϕ 1500
Max. drilling depth		m	48
Engine	Model	/	F4.5
	Rated power	kW	125
Rotary drive	Rated output torque	kN · m	140
	Rotation speed	r/min	7–45
Crowd cylinder	Max. crowd force	kN	130
	Max. lifting force	kN	160
	Max. lifting stroke	m	3.7
Crowd winch	Max. crowd force	kN	/
	Max. lifting force	kN	/
	Max. lifting stroke	m	/
Main winch	Max. lifting force	kN	146
	Max. winch speed	m/min	81
	Wire rope diameter	mm	ϕ 28
Auxiliary winch	Max. lifting force	kN	61
	Max. winch speed	m/min	75
	Wire rope diameter	mm	ϕ 16
Drill mast inclination	Lateral/forward	°	± 3/5/15
Chassis	Max. traveling speed	km/h	3
	Max. climbability	%	40
	Track shoe width	mm	600
	Track length	mm	4660
	Track outer width	mm	2550–3650
Hydraulic system	Working pressure	MPa	35
Working weight		t	38
Dimension	Work condition	mm	7300 × 3650 × 15800
	Transport condition	mm	12690 × 2700 × 3500

Kelly bar configuration	Weight of Kelly bar (t)	Drilling depth (m)	Remarks
MZ325–4 × 10	3.9	37	Standard
MZ325–4 × 10.5	4.1	39	
JS325–4 × 10.5	4.3	39	Optional
MZ355–5 × 10.5	4.9	48	



- The torque of rotary drive is 140 kN · m, rotation speed is 45 rpm, more efficient.
- Equipped with Cummins F4.5 engine, the fuel consumption is lower and the maintenance is more convenient.
- Double boom parallelogram luffing mechanism has large support angle and improves the construction efficiency.
- The hydraulic system adopts negative flow control technology. The large displacement main pump is matched with a low speed engine, so the fuel consumption is lower and the efficiency is higher.
- It adopts the special hydraulic crawler chassis of TDP series for rotary drilling rigs, with large diameter slewing bearing and better working stability.
- The whole machine can be quickly converted to low headroom model, the minimum working height can be reduced to 9 m, and the environmental adaptability is stronger.
- The machine can be transported with the Kelly bar on it, making the transfer more convenient.