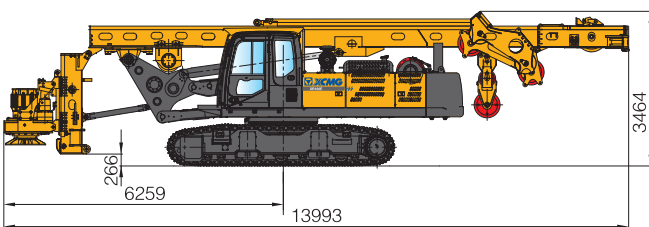


# XR160E Rotary Drilling Rig

Parameter		Unit	Data
Max. drilling diameter		mm	φ 1500
Max. drilling depth		m	44/56
Engine	Model	/	QSB7
	Rated power	kW	150/2050
Rotary drive	Rated output torque	kN · m	160
	Rotation speed	r/min	5–35
Crowd cylinder	Max. crowd force	kN	160
	Max. lifting force	kN	160
	Max. lifting stroke	m	4.2
Crowd winch	Max. crowd force	kN	160
	Max. lifting force	kN	180
	Max. lifting stroke	m	13
Main winch	Max. lifting force	kN	160
	Max. winch speed	m/min	80
	Wire rope diameter	mm	φ 28
Auxiliary winch	Max. lifting force	kN	60
	Max. winch speed	m/min	80
	Wire rope diameter	mm	φ 16
Drill mast inclination	Lateral/forward	°	± 3/5/90
Chassis	Max. traveling speed	km/h	2.1
	Max. climbability	%	35
	Track shoe width	mm	700
	Track length	mm	5107
	Track outer width	mm	2960–4200
Hydraulic system	Working pressure	MPa	35
Working weight		t	53
Dimension	Work condition	mm	7862 × 4200 × 19028
	Transport condition	mm	13993 × 2960 × 3464

Kelly bar configuration	Weight of Kelly bar (t)	Drilling depth (m)	Remarks
JS377-4 × 12	7	42	Optional
JS377-4 × 12.5	7.3	44	Standard
MZ377-5 × 12	6.4	53.5	Optional
MZ377-5 × 12.5	6.7	56	



- One machine with multiple functions, it can realize the quick switch among crowd cylinder, crowd winch, CFA and double rotary drive to meet construction requirements of different projects.
- Equipped with Cummins electrically controlled turbocharged engine, it has strong power, quick and convenient service.
- The rated output torque of rotary drive is 160 kN · m, working rotation speed is 35 rpm, more efficient.
- The main winch and auxiliary winch adopt single-row rope, the life of wire rope is 2–4 times longer than that of multi-layer, the cost is lower.
- Double boom large parallelogram luffing mechanism has large support angle, the support range is increased by 24%, more stable.
- The main hydraulic system adopts negative flow control with quick response and good control.
- Powerful double hydraulic oil cooler, meeting the requirements of construction in high temperature areas.
- The intelligent control system realizes the automatic adjustment and display of the verticality of the drill mast, automatic self-righting and automatic spin-off.
- Adopting the special hydraulic crawler chassis of TDP series for rotary drilling rigs, with large diameter slewing bearing and better working stability.

