

XR60E Rotary Drilling Rig

Parameter		Unit	Data
Max. drilling diameter		mm	φ 1000
Max. drilling depth		m	15(Standard 4 interlocking Kelly bars)
Engine	Model	/	V2607-DI-TE3B
	Rated power	kW	42.4
Rotary drive	Rated output torque	kN · m	55
	Rotation speed	r/min	0-48
Crowd cylinder	Max. crowd force	kN	40
	Max. lifting force	kN	50
	Max. lifting stroke	m	1.3
Crowd winch	Max. crowd force	kN	/
	Max. lifting force	kN	/
	Max. lifting stroke	m	/
Main winch	Max. lifting force	kN	50
	Max. winch speed	m/min	55
	Wire rope diameter	mm	φ 16
Auxiliary winch	Max. lifting force	kN	15
	Max. winch speed	m/min	45
	Wire rope diameter	mm	φ 8
Drill mast inclination	Lateral/forward	°	± 4/5
Chassis	Max. traveling speed	km/h	2.5/5.4
	Max. climbability	%	35
	Track shoe width	mm	450
	Track length	mm	2880
	Track outer width	mm	2250
Hydraulic system	Working pressure	MPa	28
Working weight		t	14
Dimension	Work condition	mm	4500 × 2230 × 9800
	Transport condition	mm	7650 × 2230 × 3237

Kelly bar configuration	Weight of Kelly bar (t)	Drilling depth (m)	Remarks
JS273-4 × 5	2.1	15	Standard

- Powerful rotary drive, high construction efficiency, 48 r/min maximum speed, completely solve the problem of small diameter pile hole construction soil dumping difficulties.
- Front main and auxiliary winches make it easy to observe the direction of the wire rope and improve the stability of the mast and construction safety.
- The engine used is Kubota V2607-DI-TE3B, which meets the emission requirements of National III; Kubota V2607-CR-TIE4B engine is optional, which meets the emission requirements of North America T4F, and is characterized by economy, efficiency, environmental protection and stability.
- The whole machine is transported without dismantling the Kelly bar.
- All key components of the electric control system (such as display, controller, tilt angle sensor) are of internationally renowned brand, and aviation connectors are used to create engineering specific products.

