

XCMG XR160E Rotary Drilling Rig Specification Sheet

1. General Machine Information

Item	Details
Manufacturer	XCMG
Model	XR160E
Year of Manufacture	2020.5
Serial Number	XUG0160RELHJ00579
Location	China
Current Working Hours	6302h
Configuration Type	Kelly Drilling

2. Main Technical Specifications

Parameter	Unit	Value
Max. Drilling Diameter	m	Φ1.5 (Cylinder Crowd)
Max. Drilling Depth	m	56
Engine		
Engine Model	/	Cummins QSB7 SO30046

Rated Power	kW	150
Fuel Tank Capacity	L	390
Emission Standard	/	China Stage III
Rotary Drive		
Rated Output Torque	kN·m	160
Working Rotation Speed	r/min	5~35
High-speed Soil Discharging (Optional)	r/min	77
Crowd Cylinder		
Push Force	kN	160
Max. Lifting Force	kN	160
Stroke	mm	4200
Main Winch		
Max. Lifting Force	kN	160
Max. Line Speed	m/min	0~82
Rope Diameter	mm	28
Auxiliary Winch		
Max. Lifting Force	kN	60
Max. Line Speed	m/min	0~80
Rope Diameter	mm	16
Mast		

Lateral Inclination	°	3
Forward Inclination	°	5
Backward Inclination	°	15
Luffing Mechanism		
Working Range	mm	3340~3740
Undercarriage		
Width	mm	2960~4200
Track Shoe Width	mm	700
Track Length	mm	5100
Driving Force	kN	340
Travel Speed	km/h	0~2.1
Hydraulic System		
Max. Flow	L	2×230+90
Max. Working Pressure	MPa	35
Working Height	m	19.1
Overall Weight	t	53

3. Included Equipment & Attachments

Item	Details
Kelly Bars	Friction Kelly bar 377-5×12 (can be modified according to user requirements)

Drilling Tools	None(To be prepared by the user)
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4. Machine Condition

Item	Details
Overall Condition	Good – 6-year-old machine in normal service condition, no major accidents or structural damage reported
Engine Condition	Reported to run smoothly with no oil burning or significant leaks; starts reliably and operates within normal noise levels
Hydraulic System Condition	Functions properly with stable pressure; minor seepage may occur (common for used equipment of this age)
Rotary Drive Condition	Operates without unusual noise or jamming (not disassembled; lubrication recommended upon arrival)
Mast, Crowd System & Winches Condition	Structurally sound; wire ropes show wear but are still serviceable (replacement advised for safety)
Undercarriage Wear	Visible wear on tracks/rollers; exact measurement requires on-site inspection
Structural Condition	No cracks reported on main frame
Recent Inspection / Load Test	No recent third-party inspection report available; machine is operational and video inspection can be arranged

5. Maintenance & Service History

Item	Details
Full Service Records Available	No – Full service records are not available, but maintenance history is consistent with regular use and typical field practices
Last Major Overhaul	Not performed recently – The machine has been in continuous operation for ~6 years; no major overhaul (e.g., engine rebuild, hydraulic pump replacement) reported
Last Authorized Dealer Service	Not confirmed – Machine is out of warranty (2020 model); maintenance likely performed, but authorization status unknown
Compliance with Manufacturer Maintenance Intervals	Likely compliant – Based on operational reports, routine maintenance such as oil/filter changes were carried out regularly, though formal logs are unavailable

6. Commercial Details

Item	Details
Price	121638 USD
Incoterms	CIF Alexandria Port, Egypt
Delivery Location	Alexandria Port, Egypt
Availability / Lead Time	In stock; on-site inspection available at any time
Quotation Validity	7 days

Payment Terms	100% T/T in advance – Shipment arranged from Chinese factory upon full payment receipt
Warranty	No standard warranty provided. Customized warranty packages (e.g., 3-month, 6-month, or 1-year) can be offered based on customer requirements and additional cost
Optional Commissioning / Operator Training	Not included in base price. Remote video support for commissioning and operator training is available at an additional cost. On-site technical assistance can be arranged upon request, subject to travel and local coordination fees.

7. Transport & Logistics

Item	Details
Transport Dimensions & Weight	Shipment will be transported as breakbulk cargo, primarily disassembled into: • Main Carrier Body: 13,865 × 2,960 × 3,491 mm • Kelly Bar (Drill Rods): 13,500 × 700 × 900 mm / 7,300 kg • Power Head and Kelly Guide: To be detached from main carrier and shipped separately Estimated Total Gross Weight: Approx. 60.3 metric tons (Main Unit: 53,000 kg + Kelly Bar: 7,300 kg) Note: The original 53-ton rating includes the power head and kelly guide. After disassembly, individual

	component weights are not measured separately. The total weight is an estimate only — final weight will be determined by actual weighing prior to shipment.
Disassembly Required	es – The following components will be detached from the main carrier for breakbulk shipment: - Power Head - Kelly Guide - Kelly Bar The main carrier structure remains otherwise intact. All ports will be capped and connections labeled for easy reassembly.
Shipping Method	Breakbulk (General Cargo Vessel) – Confirmed • Selected as the most practical option given equipment dimensions and port capabilities • Not suitable for container or RORO transport
Export Packing / Lashing	Packing method to be finalized • Main carrier, power head, kelly guide, and kelly bar will be secured separately • Final lashing and protection plan will comply with international marine safety standards (IMO CSS Code)

8. Optional Extras

Item	Details
Spare Parts Package	Available upon request – Standard package includes:

	• Common wear parts (e.g., tracks, rollers) available at cost Price: Customized based on customer needs
On-site Commissioning	Not included in base price.
Operator Training	Operator training can be discussed based on customer requirements. Basic operation documentation can be provided initially; details of remote or on-site training will be confirmed after order placement
Service Support Contract	Post-sale service support arrangements can be customized upon request after transaction confirmation, including technical consultation, spare parts supply, and maintenance guidance. Specific terms to be negotiated separately