

Hydraulic Rotary Piling Rig

This hydraulic rotary piling rig is designed for efficient pile installation in foundation construction. It features a China chassis for stability and maneuverability on diverse terrains.



Overview



KR80A Thailand

The rig demonstrating stability and maneuverability during operation



KR80A Australia

Versatile drilling operations for foundation construction

High-Performance Foundation Drilling

This hydraulic rotary piling rig is engineered for efficiency and versatility in foundation construction. Featuring a full hydraulic system and a unique folding mast design, it allows for rapid transition between transport and working states. The rig incorporates advanced drilling bucket depth measurement and automatic verticality technology to ensure high precision, while complying with international safety standards for reliable operation in demanding environments.

Key Performance Metrics

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80 kN.m

Torque

1000 mm

Max. Diameter

28 m

Max. Drilling Depth

24 t

Overall Weight

Operational Specifications

Technical specification	
Torque	80 kN.m
Max. diameter	1000 mm
Max. drilling depth	28 m4 node/22 m13 node)
Speed of rotation	8-30 rpm
Max. crowd pressure	90 kN
Max. crowd pull	120 kN
Main winch line pull	80 kN
Main winch line speed	72 m/min
Auxiliary winch line pull	35 kN
Auxiliary winch line speed	60 m/min
Stroke(crowd system)	2000 mm/3500mm
Mast inclination(lateral)	±3°
Mast inclination(forward)	4°
Max. operating pressure	34.3 MPa
Pilot pressure	3.9 MPa
Travel speed	2.8 km/h
Traction force	88 kN
Operating height	12580 mm
Operating width	2700 mm
Transport height	3250 mm
Transport width	2700 mm
Transport length	9150 mm
Overall weight	24t

Detailed technical parameters and performance specifications

Drilling Performance

Parameter	Value
Rotation Speed	8-30 rpm
Max. Crowd Pressure	90 kN
Max. Crowd Pull	120 kN
Main Winch Line Pull	80 kN
Main Winch Line Speed	72 m/min

Hydraulic System

Component	Rating
Max. Operating Pressure	34.3 MPa
Pilot Pressure	3.9 MPa

Physical Dimensions

Transport Dimensions

- Length: 9150 mm
- Width: 2700 mm
- Height: 3250 mm

Features

Safety & Control Features

EN791 Safety Standard Compliant, Automatic Verticality, Depth Measurement System, Main Winch Bottoming Protection, Luminous Hot Wheel