

Tunnel and Geological Drilling Rig

This drill rig is designed for tunnel drilling and geological prospecting. It is also suitable for geological drillings of building, hydroelectric power-stations, highway, roadway and harbor and drilling pile grouting hole.



Overview

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This robust drilling rig is engineered for demanding geological exploration and engineering construction projects. Featuring a versatile power unit system and high-torque capabilities, it offers precise drilling control with an adjustable angle range of 0-90°. Its compact design and high lift capacity make it a reliable choice for both on-site and workshop applications.

Drilling Performance

Drill Capacity (50 rod)	150 m
Drill Capacity (#3 Wire line rod)	300 m
Drilling Angle Range	0-90°
Maximum Torque	1110 Nm

Spindle Specifications

Spindle Speeds

Direction	Speeds (r/min)
Forward	81, 164, 298, 334, 587, 1190
Reverse	98, 199

Max Spindle Pull Force	45 KN
Spindle Stroke	500 mm

Power and Hydraulics

Power Unit Options

- Diesel Engine: 295D 13.2KW
- Electric Motor: YD180L-4/8 17/11KW

Oil Pump	CB32 gear oil pump
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Physical Characteristics

Max Hoist Lift Capacity (Single Rope)	20 KN
Drill Body Weight (Excluding Power)	650 Kg
Overall Dimensions (L×W×H)	1720×800×1300 mm