

Crawler Drilling Jumbo for Underground Tunneling

This crawler drilling jumbo is a self-propelled hydraulic drilling rig designed for underground tunneling and mining. Its crawler undercarriage allows maneuverability in confined spaces, while the drilling boom is equipped for drilling holes for blasting and rock bolting.



Overview

High-Performance Crawler Drilling Jumbo

The DT1-14 is a robust, self-propelled hydraulic drilling rig engineered specifically for underground tunneling and mining operations. Designed for efficiency in confined spaces, it features a high-performance crawler undercarriage that provides excellent maneuverability and stability on uneven terrain. This versatile machine is capable of handling various tasks including blasting and rock bolting, offering precise control over drilling parameters to ensure optimal productivity in demanding civil engineering and mining environments.

Key Performance Metrics

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7900 kg

Total Weight

1.6 km/h

Traveling Speed

14 °

Adaptive Slope

Dimensions & Capacity

| | |
|-------------------------|--|
| Overall Dimensions | 8740 x 990 x 1650 mm (Ceiling height: 2380 mm) |
| Adaptive Tunnel Section | 5.3m x 4.15m |

Drilling Capabilities

Hole Specifications

- Diameter: $\varnothing 38 \sim \varnothing 76$
- Depth: 2100/2700 mm
- Drill Speed: 0.8[^]2 m/min

Boom Movement

| Axis | Range |
|-----------------------|-------------------|
| Up/Down | Up 45° / Down 20° |
| Swinging (Left/Right) | 36° / 36° |
| Rotating | +180° / -180° |

Technical Specifications

Power System

- Total Power: 40.3 kW (37+2.2+1.1)
- Voltage: AC380V
- Motor Speed: 1470 r/min

Operating Pressures

| System | Pressure |
|-----------------|----------|
| Air (Drifter) | 0.4 Mpa |
| Water (Drifter) | 0.8 Mpa |
| Water (Cooler) | 0.6 Mpa |

Compatible Drifter Models

HC28, HYD200

Explosion Proof

No