

Two-Boom Hydraulic Bolting Jumbo, CYTM41/2

One of the most attractive features of the hydraulic drilling jumbo for tunneling is its double-boom design, making it suitable for a large drilling cross section area. The tunneling jumbo has two drive methods, single-power and dual power, giving it a wider range of efficiency and power options. Equipped with a hydraulic drilling system, the underground tunneling machinery is extremely reliable and durable, making it the preferred choice by many companies involved in the construction and drilling of mines, tunnels and more.



Standard Configurations

- Rock drill: available with RC1200 or HC25
- Anti-jamming function

- Boom: universal telescopic boom
- Drifter
- Undercarriage: four-wheel drive, Cummins three-stage diesel engine

General	
Width	1750 mm
Height (operator roof lowered)	2270 mm
Height (operator roof elevated)	3140 mm
Total length	10000 mm
Ground clearance	280 mm
Weight	15000 ± 500 kg

Rock drill		
Rock drill	RC1200	HC25
Impact power	14kW	8kW
Impact pressure	180bar (max)	150bar (max)
Impact frequency	100Hz	65Hz
Slewing unit	independent slewing	
Slewing speed	430 r/min	300 r/min
Slewing torque	390N·m	401 N·m
Rod type	B28	B25
Hole diameter	ø32- ø43	ø32- ø43
Length	572mm	708mm
Width	326mm	200mm
Height	180mm	192mm
Weight	126kg	72kg
Shank type	R32	R32

Drifter (customized)		
Type	RC1200	HC25
Total length mm	3070	3200
Rod length mm	2475	2475
Split bolt mm	2000	2000
Resin grouted bolt mm	2200	2200
Hole depth mm	2280	2280
Weight kg	500	450
Feed force kN	10	
Working pressure Pa	≤10Mpa	

Rock bolt

Bolt type: split bolt / resin grouted bolt
 Bolt QTY.: 10 (size ≤ 150mm)
 Bolt length: 1500~2500mm

Power distribution cabinet with digital voltage and ammeter
Phase sequence indicator
Battery

Boom

Tilt/lift angle: +45°/-16°
 Swing angle: 46° (left), 45° (right)
 Retractable length: 1250mm
 Feed extension: 480mm
 Rollover angle of drifter: ±180°
 Tilt/lift angle of drifter: +80°/-25°
 Weight: 1200kg

Hydraulic system

Pump displacement (impact/slewing): 100cc/32cc
Max. oil tank capacity: 200L
Filter efficiency: 10μm
Hydraulic oil level sensor
Manual fuel pump
Oil temperature sensor
Water cooler

Air supply system

Air compressor
 Capacity (8bar): 0.7m³/min
 Air tank volume: 60L
 Air pressure monitoring

Undercarriage

Cummins three-stage diesel engine
Power (2400r/min): 74kW
Torque (1600r/min): 330Nm
Steering angle: ±35°
Rear axle swing angle: 8°
Diesel tank capacity: 54L
Exhaust gas purification: three-way catalyst
Battery: 24V, 2 x 120Ah
Front work light: 4x40W
Rear work light: 4x40W
Tyre size: 10.00-20
Gradability: 16°
Front support leg: 2
Rear support leg: 2
Four-wheel drive
Hydraulic steering system
Service brake, parking brake
Fire suppression
Warning lights with horn

Water supply system

Water pump: CDL2-15
 Max. flow (12bar): 2m³/h
 Min. water inlet pressure: 2 bar
 Water pressure monitoring

Electrical system

Installed power	64kW
Main motor power	55kW
Voltage	380V (customized)
Frequency	50Hz
Cable reel diameter	1080mm
Thermal overload protection for motor	
Impact timer	

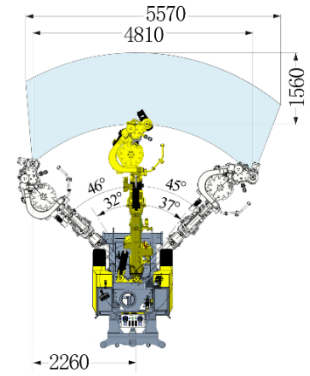
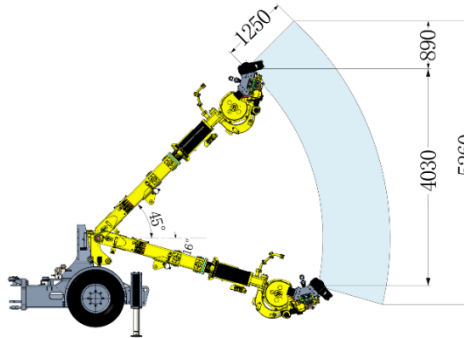
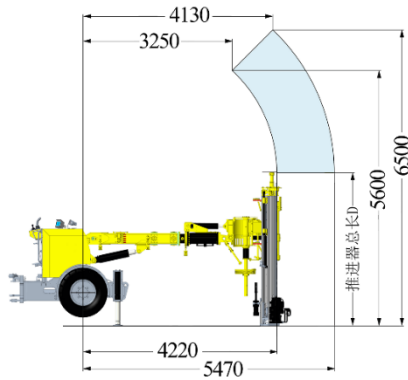
Cables

Type	Cross section mm²	Diameter mm	Length m
MC-0.38/0.66	3x35+1x10	40	70

Services

- ✓ Local parts stock with 48 hours quick time response
- ✓ Urgent parts sent by air for quick solutions

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在最佳工作高度覆盖范围

	31414	31417	31418	31415
Slit wedge anchor rod length(mm)	1800	1800	2000	2200
Threaded anchor rod length(mm)	2000	2100	2200	2400
Drill rod length (mm)	2175	2300	2475	2600
Total length	2770	2895	3070	3195
Hole depth	1980	2100	2280	2400
Total weight	520	525	545	555

The minimum working height of Slit wedge anchor rod is determined as follows:
 Working height = anchor length + 1200mm
 The minimum working height of Threaded anchor rod is determined as follows:
 Working height = anchor length + 1000mm
 The drifter can be customized according to special anchor types or lengths

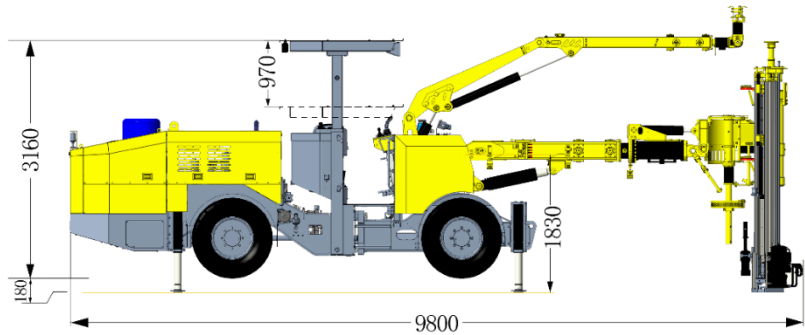
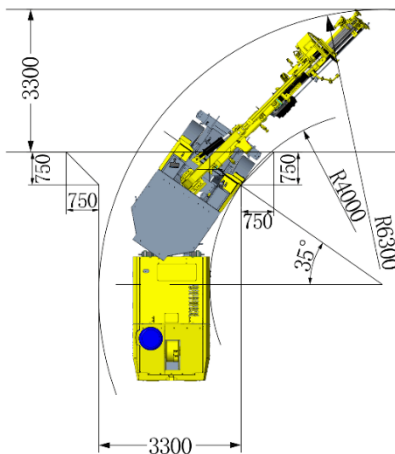
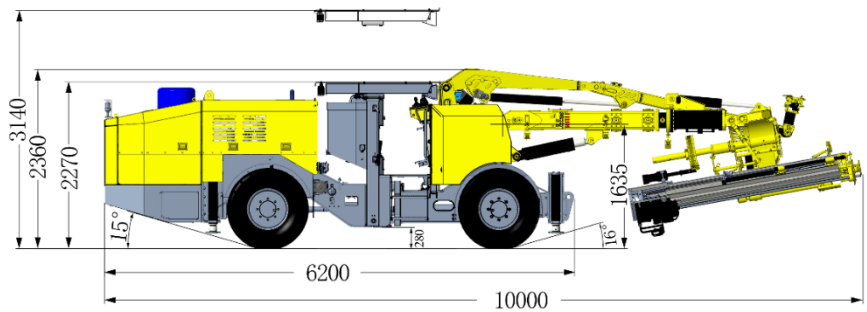
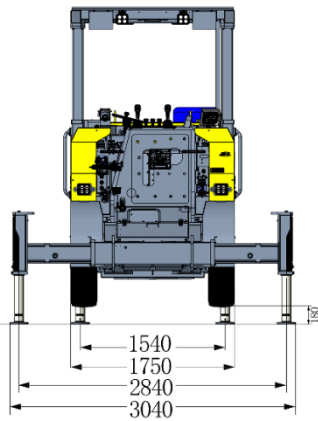
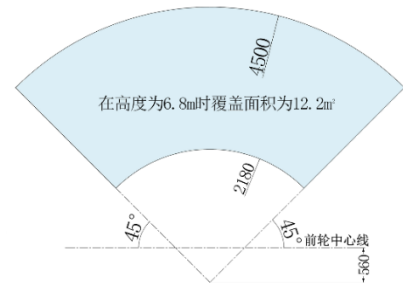


PHOTO REFERENCE

