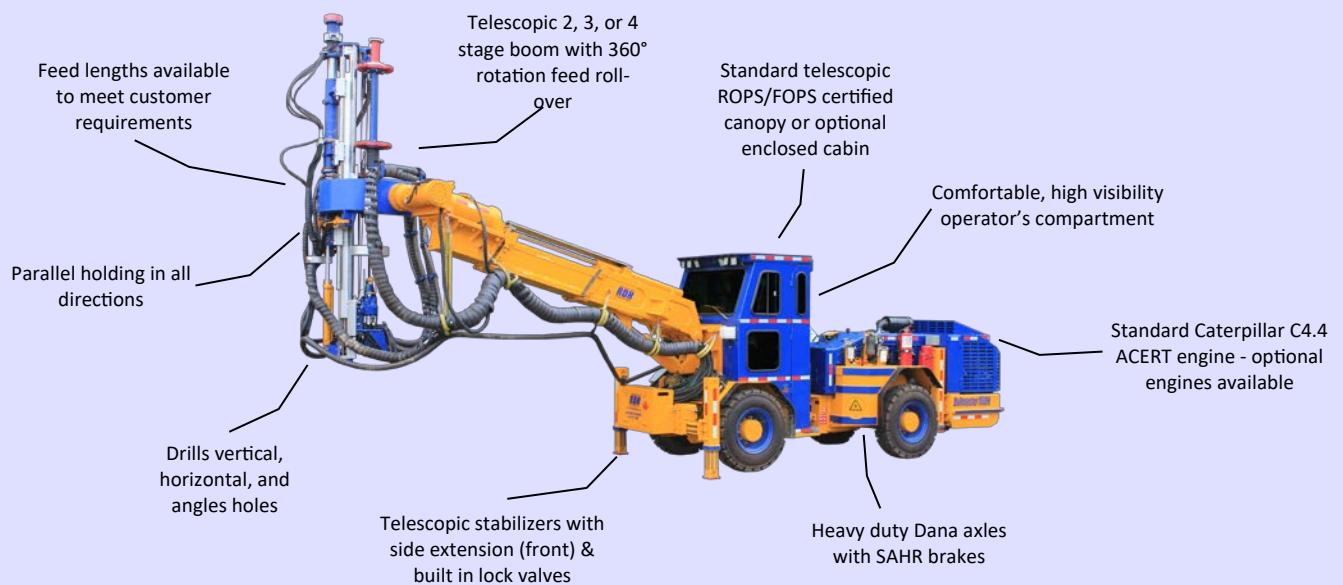


**Boltmaster 150** is a robust, compact, electric-hydraulic, mobile bolting rig, designed for reliable performance in demanding underground applications.



The productive, safe, and reliable Boltmaster 150 is a fully mechanized rock bolting rig designed for underground mining and tunneling operations. The robust and reliable four-wheel drive, articulated Boltmaster 150 consists of a power-shift transmission powered by a choice of diesel engines connected to heavy-duty Dana axles. The rugged frame and articulated carrier make the Boltmaster 150 a very durable and extremely maneuverable unit even in the tightest situations.

#### FEATURES:

- Sturdy, articulated four-wheel drive carrier
- Electric-hydraulic or optional diesel-hydraulic
- Variety of engines to suit requirements
- Montabert rock drills with hydraulic dampening system for optimal consumable life
- Front telescopic stabilizers with side extension ensure stability during platform deployment
- Heavy-duty, 2, 3, or 4 stage boom and feed provide excellent pattern coverage and require fewer setups

## SPECIFICATIONS:

### ROCK DRILL - DRILLING

Model	Montabert HC 50
Percussion flow	105 l/min (27.7 gal/min)
Percussion pressure	130bar (1900 psi)
Frequency	62 Hz
Energy per blow	210 joules (155 ft-lbs)
Percussion power	13 kW (17.4 hp)
Rotation flow	15-35 l/min (4-9.2 gal/min)
Rotation pressure	150 bar (2200 psi)
Rotation torque	325-415 Nm (240-415 ft-lbs)
Rotation speed	105-195 rpm
Weight	102 kg (225 lbs)

### ROCK DRILL - BOLTING

Model	Montabert HC 20
Percussion flow	45 l/min (11.9 gal/min)
Percussion pressure	140 bar (2031 psi)
Frequency	50 Hz
Energy per blow	90 joules (67 ft-lbs)
Rotation flow	15-48 l/min (4-12.6 gal/min)
Rotation pressure	140 bar (2031 psi)
Rotation torque	100-320 Nm (73-236 ft-lbs)
Rotation speed	150-300 rpm

### FEED

High-strength, light-weight, aluminum extrusion  
 E-Z lock inserts to prevent thread damage  
 Single feed  
 Lengths based on customer requirements

### BOOM

Telescopic B3000, 2, 3, or 4 stage  
 Feed roll-over 360 degree rotation  
 Parallel holding in all directions  
 Drills vertical, horizontal, angled holes

### CONTROL SYSTEM

ACCU-DRILL direct hydraulic control system  
 Anti-jamming function, semi-automatic collaring

### ENGINE

Cat <sup>®</sup> C4.4 ACERT, inline 4, 4 stroke cycle, diesel	
U.S. EPA Tier 3, EU Stage III A	
Power rating @ 2200 rpm	66-129 kW/88-174hp
Compression ratio	16.5:1
Displacement	4.4 L (268.5 in <sup>3</sup> )
Exhaust: catalytic purifier with silencer	
Fuel tank volume (2 tanks)	155 L, 83 L

### TRANSMISSION

Dana powershift, 20000 series  
 3 speeds forward and reverse  
 4 wheel drive

### AXLES

Dana 113, planetary type  
 Oscillation (rear axle)  $\pm 7^\circ$

### BRAKES

Service: wet disc (integrated), internal SAHR  
 Emergency & parking: SAHR

### TIRES

Mine type, 10.00 x 20

### STEERING

Hydraulic, articulated  
 Steering angle  $\pm 38^\circ$

### HYDRAULICS

Steering and boom  
 170 bar, 190 L/min/2200 rpm  
 Hydraulic oil tank volume (2 tanks) 225 L, 225 L

### ELECTRICAL SYSTEM

24 V  
 Battery 2 x 12 VDC  
 Tramming/working LED lights 4 front / 4 rear  
 Brake lights  
 Horn & reverse alarm

#### BOLTING UNIT

Carousel capacity: up to 12 bolts  
Adapted for all standard bolt types and lengths  
Feed adapted according to bolt length  
Lengths based on customer requirements

#### STABILIZERS

Hydraulic stabilizers, front 2 extendable  
Hydraulic stabilizers, rear 2

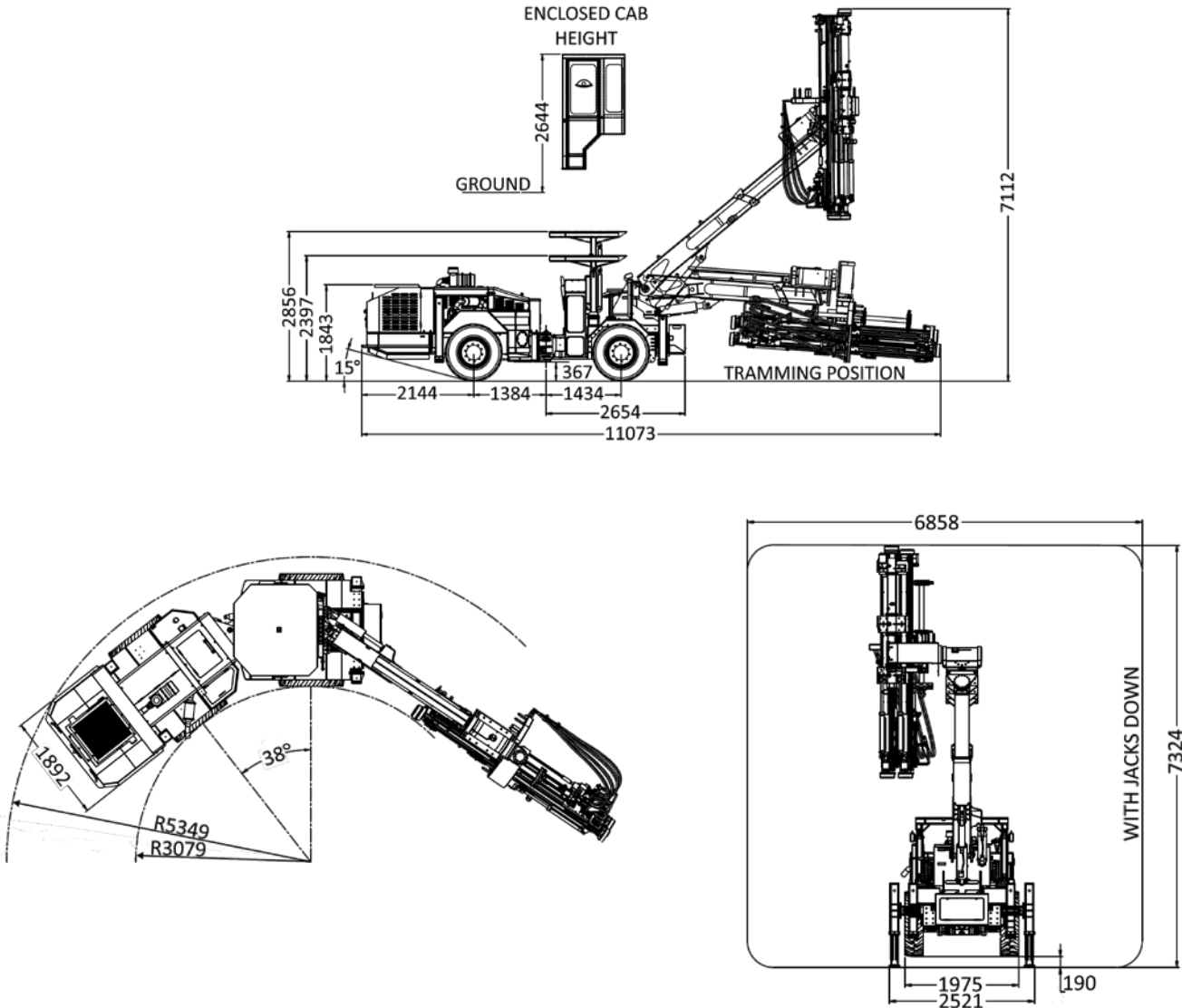
#### MISCELLANEOUS

Central grease point – manual  
Standard gauges and instrumentation  
ANSUL fire suppression system - manual  
Copy of Parts/Operator/Service manuals  
ROPS/FOPS certified canopy  
Suspension seating (operator)

#### OPTIONAL EQUIPMENT

Various engine makes/models	Various rock drills
Automatic centralized lubrication system	Radio remote control
Diesel or electric driven hydraulics	ROPS/FOPS approved enclosed cabin
Fast fill system	Driver door interlock
Cold weather package	ANSUL Checkfire fire suppression system
Strobe light	Power pack
Various slide/feed options/lengths	Cable reel
Camera system	Exhaust system wrap
Solid or foam filled tires	Air ride seating (operator)
Wheel chocks	Remote brake release for towing
Voltage to suit requirements	Rock drill lubrication warning kit
Water hose reel	Air mist system
24 V hydraulic oil transfer pump	Hydraulically driven water pump
Hydraulically driven air compressor	Resin injection
Various bolt types and lengths	Other options available upon request

## MEASUREMENTS



DIMENSIONS	mm	inches
Width	1975	78
Height – canopy lowered	2397	94
Height – boom extended	7112	280
Length	11073	436

CONT'D	mm	inches
Ground clearance	367	14
Inside turning radius	3079	121
Outside turning radius	5349	211

Dimensions given are for BM150 with a two stage boom and 10.00 x 20 tires.

All weights, dimensions, and other data reflect a standard unit unless otherwise stated. RDH reserves the right to change specifications and equipment without notice. Consult RDH Mining Equipment sales representative for specific information.