



RBR-125

ROCK BOLTING RIG





Designed for High-Performance Drilling, Built with Precision.

The Rhino RBR-125 Hydraulic Roof Bolter is engineered with advanced features that maximize productivity, increase uptime, and reduce operating costs in demanding underground mining applications. A high-power drilling system, optimized feed controls, and operator-focused technology enable faster drilling cycles and exceptional efficiency in tunnel development and ground support operations.



1. Automotive-style climate control system with adjustable air vents helps keep windows clear and the cab comfortable.
2. Advanced LCD monitor provides intuitive access to a wide range of operational, drilling, and diagnostic data and functions.
3. Ergonomically designed controls within easy reach deliver smooth, precise operation, reducing operator effort while ensuring reliable performance during drilling activities.

ENGINE AND POWERTRAIN

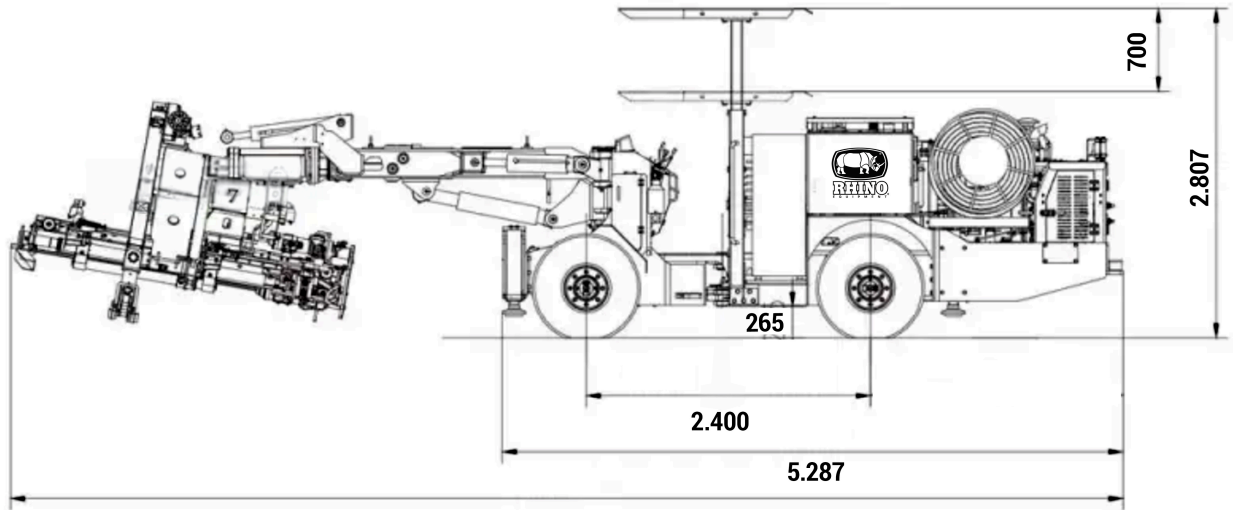
Engine brand	RHINO RBR 64T / Cummins 4BTA 3.9 liters
Engine power kW (HP) @ RPM	64 (86) / 53 (71) @ 2,200
Emission certification	Euro Stage III
Transmission	Hydrostatic
Traction	Permanent 4WD
Steering	Articulated hydrostatic power-assisted
Articulation angle (°)	±40°
Maximum speed km/h (mph)	9 (5.6)
Maximum gradeability (%)	25% (14°)
Approach angle (°)	20°
Departure angle (°)	15°
Tires	10.00-15
Fuel tank L (gal)	120 (32)
Stabilizers	2 front hydraulic + 2 rear

HYDRAULIC SYSTEM

Maximum pressure bar (psi)	220 (3,191)
Hydraulic tank capacity L (gal)	180 (47.6)
Hydraulic filtration µm	10
Pump type	Variable displacement piston pump (main) + gear pump (auxiliary/pilot)
Oil cooler	Hydraulically driven oil cooler (water-cooled or air-cooled)
Hydraulic protection	Low oil level sensor, automatic shutdown, temperature sensor and indicator

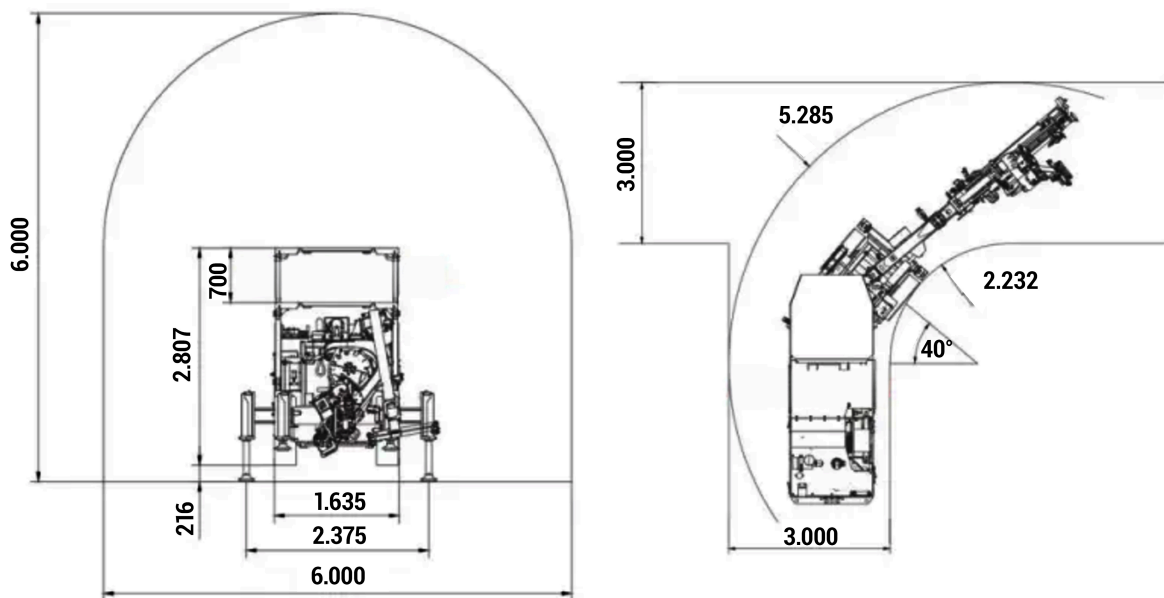
DIMENSIONS AND WEIGHT

Length mm (ft)	9,439 (31.0)
Width mm (ft)	1,635 (5.4)
Chassis length mm (ft)	5,287 (17.35)
Wheelbase mm (ft)	2,400 (7.87)
Width with stabilizers mm (ft)	2,375 (7.8)
Roof adjustment range mm (ft)	700 (2.3)
Ground clearance (stabilizer clearance) mm (ft)	216 (0.7)
Tunnel design cross-section mm (ft)	6,000 (19.7)
Gallery crossing width mm (ft)	3,000 (9.8)
Articulation angle	40°
Internal vertical coverage mm (ft)	4,018 (13.2)
Maximum drilling reach mm (ft)	5,135 (16.8)
Internal sweep radius mm (ft)	1,190 (3.9)
Extended internal coverage mm (ft)	4,446 (14.6)
Maximum absolute height reach mm (ft)	5,731 (18.8)
Transport height mm (ft)	2,107 (6.9)
Operating height mm (ft)	2,807 (9.2)
Operating weight kg (lb)	12,965 (28,583)
Ground clearance mm (in)	265 (10.4)
Internal turning radius mm (ft)	2,232 (7.3)
External turning radius mm (ft)	5,285 (17.3)
Minimum working coverage m × m (ft × ft)	2.8 × 2.8 (9.2 × 9.2)
Maximum working coverage m × m (ft × ft)	5.1 × 5.6 (16.7 × 18.4)
Maximum coverage area m ² (ft ²)	28.6 (308)

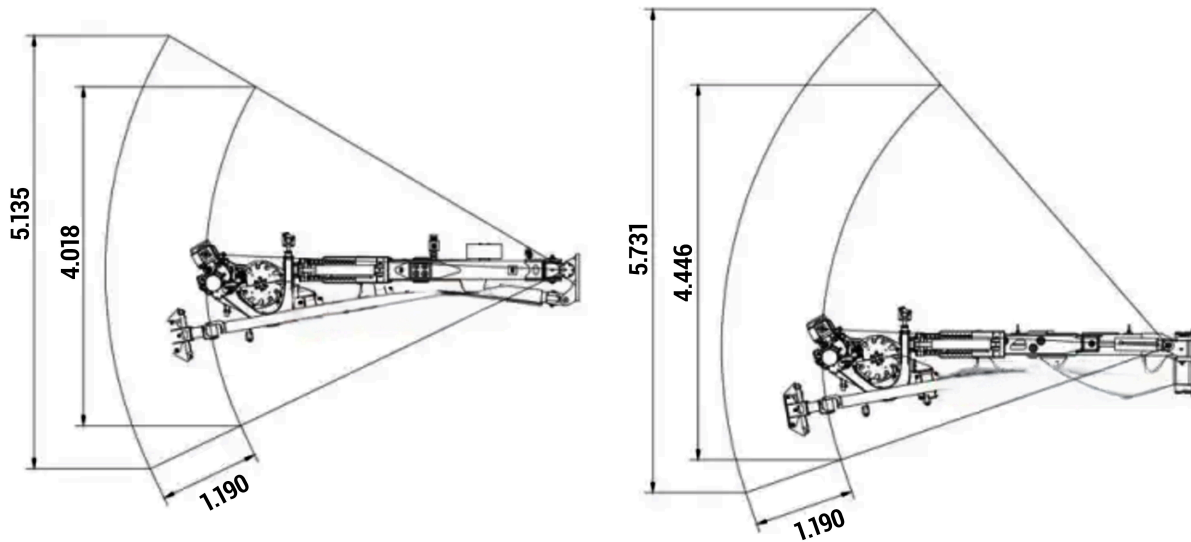


ROCK DRILL (DRIFTER)

Impact power kW (HP)	15.4 (20.7)
Percussion frequency Hz (bpm)	77 (4,620)
Rotation speed rpm	0–430
Torque Nm (lb-ft)	522 (385)
Drill diameter mm (in)	32–64 (1.26–2.52)
Shank adapter	R32
Percussion pressure bar (psi)	120–160 (1,740–2,320)
Anti-jamming technology	Automatic (Anti-Jamming)
Drifter weight kg (lb)	55 (121)



Equipment specifications and images may change without notice from Rhino Equipment Group Inc.



BOOM AND FEED BEAM

Number of booms	1
Telescopic extension mm (ft)	1,200 (3.9)
Feed compensation mm (in)	410 (16.1)
Beam rotation (°)	±180°
Bolt length mm (ft)	1,500–2,500 (4.9–8.2)
Bolt feeder capacity	10 bolts
Bolt types	Split Set, Resin, Combination head
Drill rod length (mm)	2,175–2,700
Hole depth (mm)	1,950–2,460
Thrust force (kN)	7.5

ELECTRICAL SYSTEM

Installed power kW (HP)	69 (92.5)
Main electric motor kW (HP)	60.5 (81.1)
Voltage / Frequency	380 V / 50 Hz
Starting method	Star-Delta
Cable length m (ft)	60 (197)
IP protection rating	IP54
Electric battery	Not applicable

WATER AND AIR SYSTEM

Compressor type	Screw
Compressor power kW (HP)	5.5 (7.4)
Air flow L/s (cfm)	11.6 (24.6)
Air pressure bar (psi)	8 (116)
Water pump type	Centrifugal
Pump power kW (HP)	3 (4)
Water flow rate L/min (gpm)	83 (21.9)
Maximum water pressure bar (psi)	25 (363)

AUTOMATION AND CONTROL

Control system	Direct hydraulic
Operation type	Manual electrohydraulic
HMI automation	Yes
Bolting cycle automation	Yes (depending on configuration)
Real-time monitoring	Voltmeter, ammeter, phase sequence and impact timer
System diagnostics	Electrical and hydraulic parameters
Data logging	Not standard
Telemetry	Not standard



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CAB, ERGONOMICS AND SAFETY

ROPS/FOPS certification	Yes
Cab type	Open canopy
Noise level dB(A)	≤ 85
Air conditioning	Not applicable
HEPA filtration	Not applicable
Swivel seat	Optional
Centralized lubrication system	Optional
Fire suppression system	Optional ANSUL (manual or automatic)
Mesh handler	Optional
Assistance cameras	Optional
LED lighting	Yes
Electrical protection	Ground Fault Indicator
Horn	Yes
Reverse alarm	Yes
Strobe lights	Yes
Portable fire extinguisher	Yes
Exhaust catalytic converter and muffler	Yes