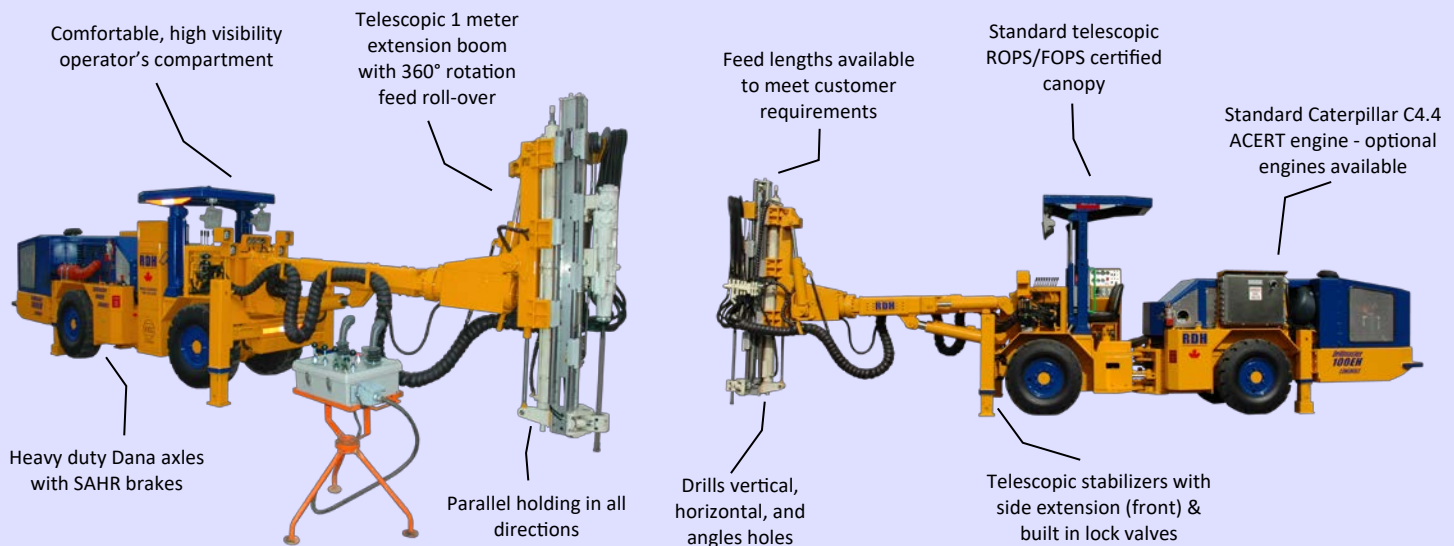


Drillmaster 100 Longhole is a robust, compact, electric-hydraulic, mobile drilling rig, designed for reliable performance in demanding narrow vein underground applications.



The productive, safe, and reliable Drillmaster 100 Longhole is designed for longhole drilling in underground mining and tunneling operations. The robust and reliable four-wheel drive, articulated Drillmaster 100 Longhole 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 Drillmaster 100 Longhole 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 HC-109 rock drill with hydraulic dampening system for optimal consumable life
- Front telescopic stabilizers with side extension ensure stability during platform deployment
- Heavy-duty, extendible boom and feed provide excellent pattern coverage and require fewer setups

SPECIFICATIONS:

ROCK DRILL

Model	Montabert HC 109
Percussion flow	135 l/min (36 gal/min)
Percussion pressure	135 bar (1960 psi)
Frequency	47 Hz
Energy per blow	400 joules (295 ft-lbs)
Rotation flow	30-60 l/min (8-16 gal/min)
Rotation pressure	150 bar (2200 psi)
Rotation torque	340-780 Nm (251-575 ft-lbs)
Rotation speed	175-230 rpm
Weight	142 kg (313 lbs)

FEED

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

BOOM

Telescopic RB 3000 with 1 m (39.4") boom extension
 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

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)

ENGINE

Cat [®] 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 ³)
Exhaust: catalytic purifier with silencer	
Fuel tank volume (x2)	102 L

TRANSMISSION

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

AXLES

Dana 113, planetary type	
Oscillation (rear axle)	± 7°

BRAKES

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

TIRES

Mine type, 36 x 11-15

STEERING

Hydraulic, articulated	
Steering angle	± 38°

HYDRAULICS

Steering and boom	
170 bar, 190 L/min/2200 rpm	
Hydraulic oil tank volume	202 L

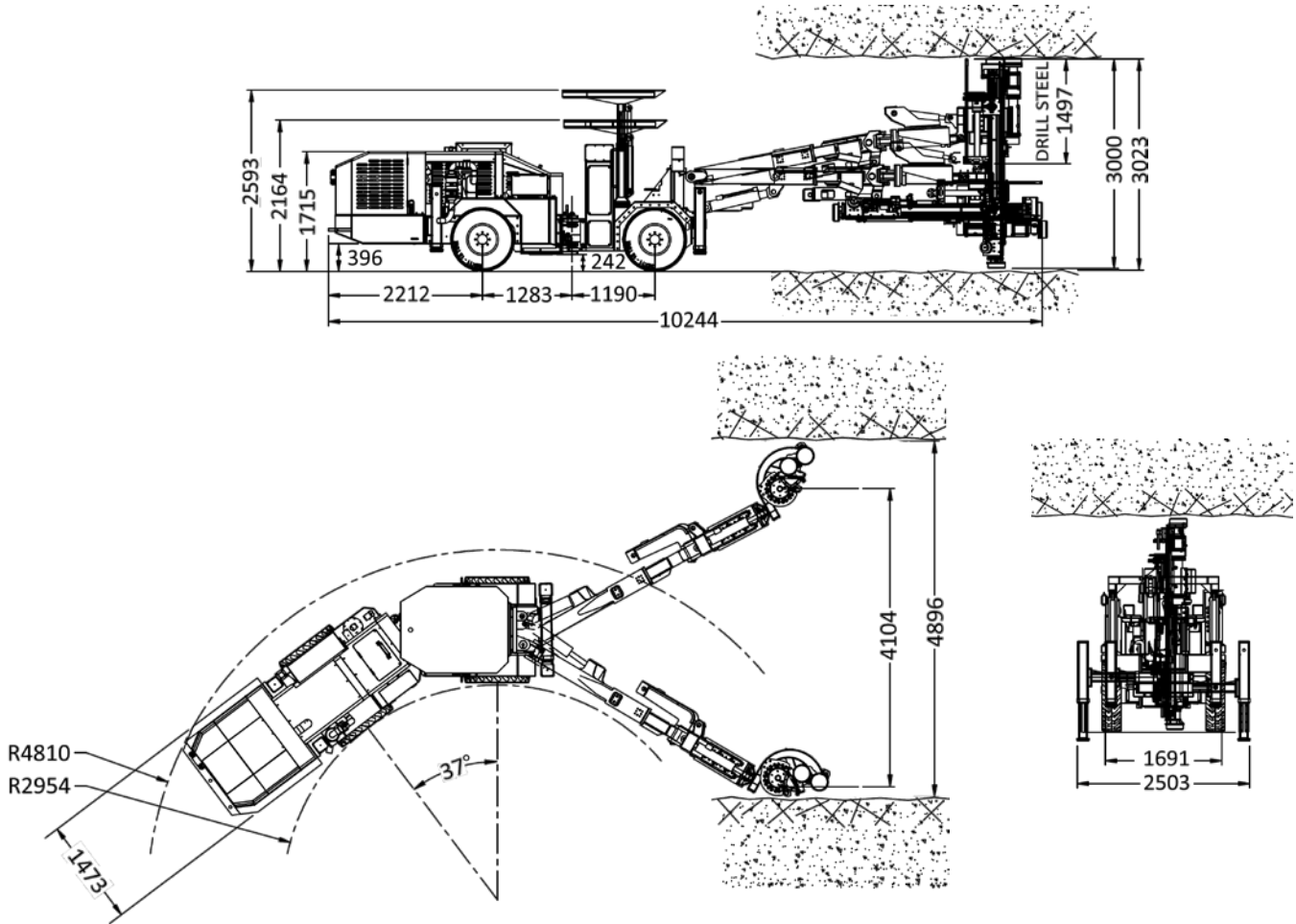
ELECTRICAL SYSTEM

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

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	Other options available upon request

MEASUREMENTS



DIMENSIONS	mm	inches	CONT'D	mm	inches
Width	1473	58	Ground clearance	242	10
Height – canopy lowered	2164	85	Inside turning radius	2954	116
Height – canopy raised	2593	102	Outside turning radius	4810	189
Length	10244	403			
WEIGHT	kg	lbs			
Total	12204	26905			