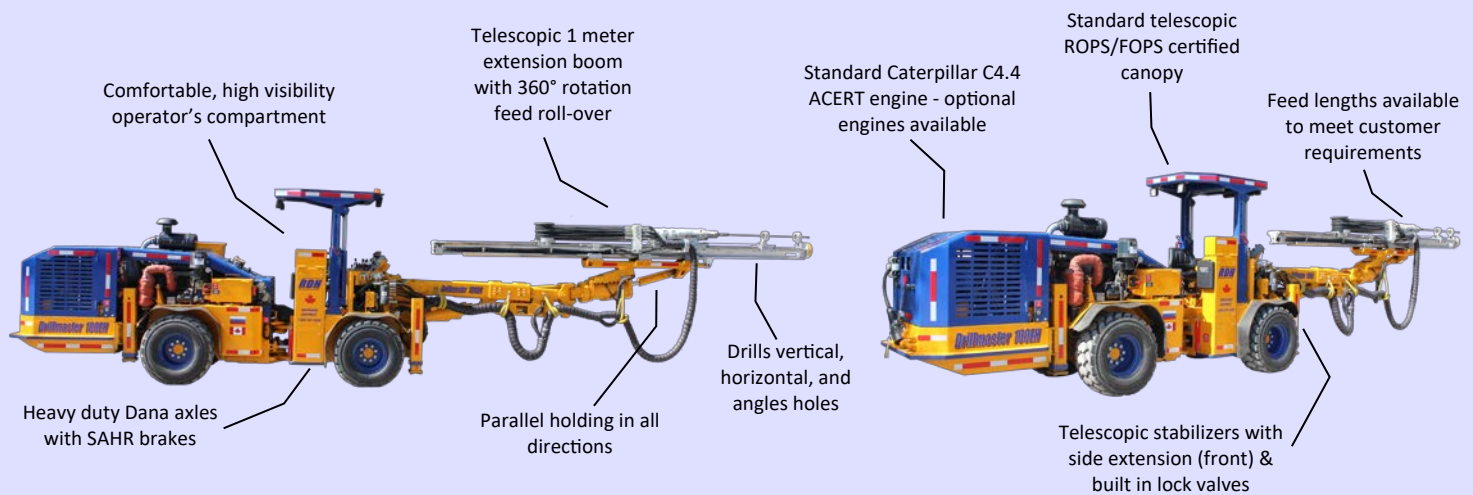


Drillmaster 100 is a robust, compact, electric-hydraulic, mobile drilling rig, designed for reliable performance in demanding narrow vein underground applications.



The productive, safe, and reliable Drillmaster 100 is designed for face drilling in underground narrow vein mining and tunneling operations. The robust and reliable four-wheel drive, articulated Drillmaster 100 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 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-50 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 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)

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	96.3 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	202.5 L

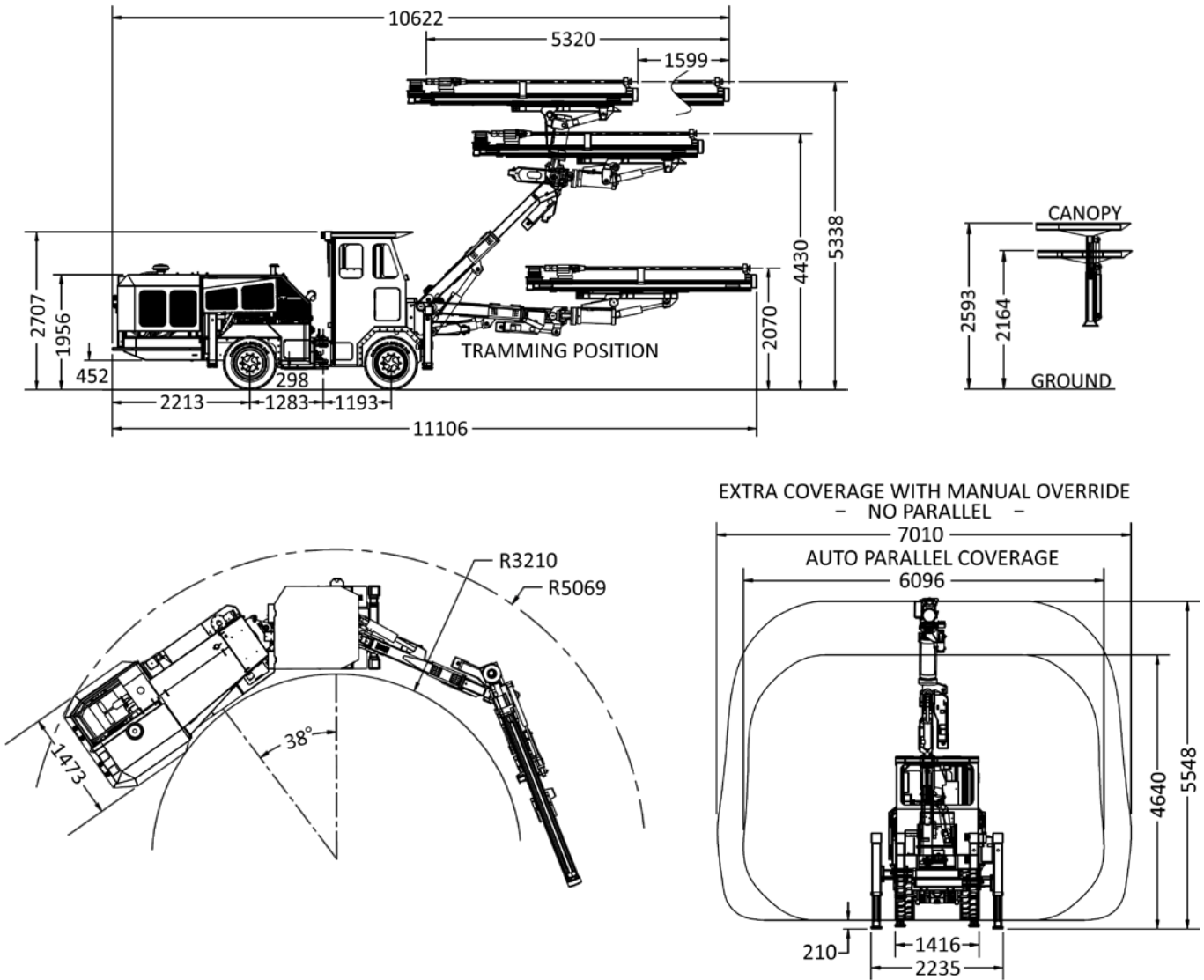
ELECTRICAL SYSTEM

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	298	11.7
Height – canopy lowered	2164	85	Inside turning radius	3210	126
Height – boom extended	5338	210	Outside turning radius	5069	200
Length	11106	437			
WEIGHT	kg	lbs			
Total	12837	28300			