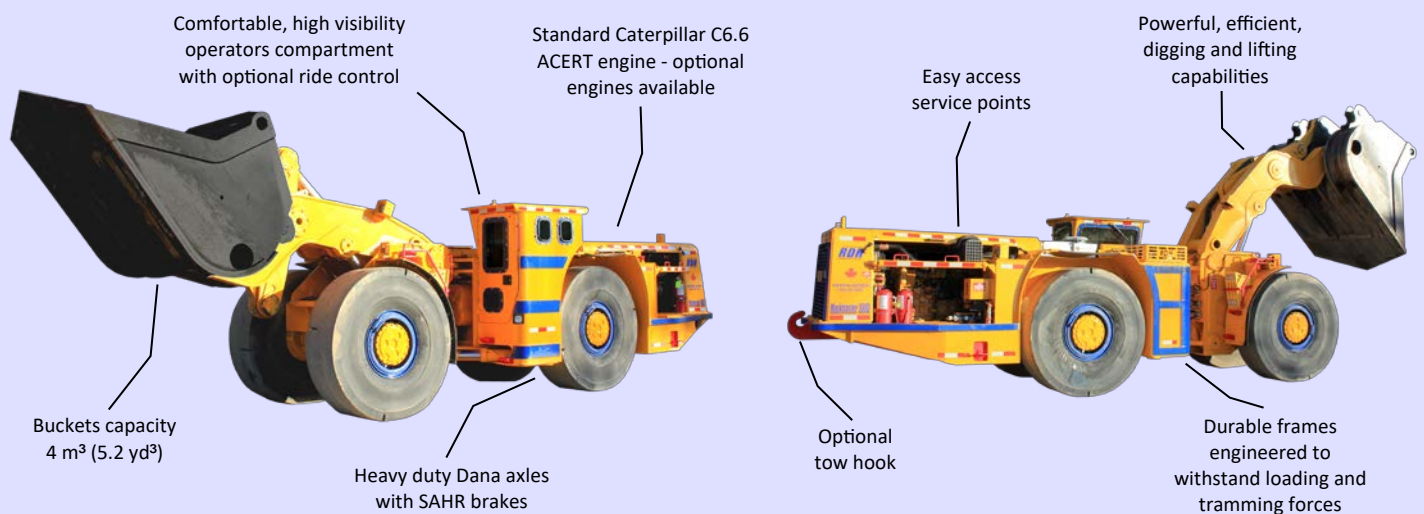


MUCKMASTER 500D is a robust, safe, powerful, and reliable diesel powered LHD designed for safe, high production, loading and hauling in demanding underground applications.



The robust and reliable four-wheel drive, articulated Muckmaster 500D 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 Muckmaster 500D a very durable and extremely maneuverable unit even in the tightest situations. The Muckmaster 500D provides outstanding performance, incorporating features to ensure safety, serviceability and operator comfort. In underground mining and tunneling operations, the Muckmaster 500D will ensure workers meet production goals in a safe, healthy, and timely manner.

FEATURES:

- Bucket capacity of 4 m³ (5.2 yds³)
- Up to nominal payload capacity 11000 kg
- Spring applied hydraulic release (SAHR) brakes
- Various bucket capacities/styles available to suit customer requirements
- Powerful, clean burning, U.S. EPA Tier 3, EU Stage III A diesel engine
- Optional ride control available for smoother, more comfortable travel experience
- Fully enclosed, climate controlled operator's compartment option available

SPECIFICATIONS:

BUCKET CAPACITIES

SAE Heaped	4 m ³ (5.2 yd ³)
Payload with Standard Equipment	11 metric tonnes (12 short tons)

Bucket capacity and payload subject to change based on customer specific material density and application.

MISCELLANEOUS

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

ENGINE

Cat [®] C6.6 ACERT, inline 6, 4 stroke cycle, diesel	
U.S. EPA Tier 3, EU Stage III A	
Power rating @ 2200-2500 rpm	158 kW / 212 hp (119-275 hp)
Compression Ratio	16.5:1
Displacement	6.6 L (402.8 in ³)
Exhaust: catalytic purifier with silencer	
Fuel, total volume	386 L

TRANSMISSION & CONVERTER

Transmission, Dana 6000 series
4 speeds forward and reverse, 4 wheel drive
Converter, Dana 8000 series

AXLES

Dana 19D, planetary type	
Oscillation (rear axle)	± 7°

BRAKES

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

TIRES

Mine type, 18.00 – 25

STEERING

Hydraulic, articulated	
Steering angle	± 38°

HYDRAULICS

Steering and boom	
170 bar, 190 L/min/2200 rpm	
Hydraulic oil tank volume	492 L

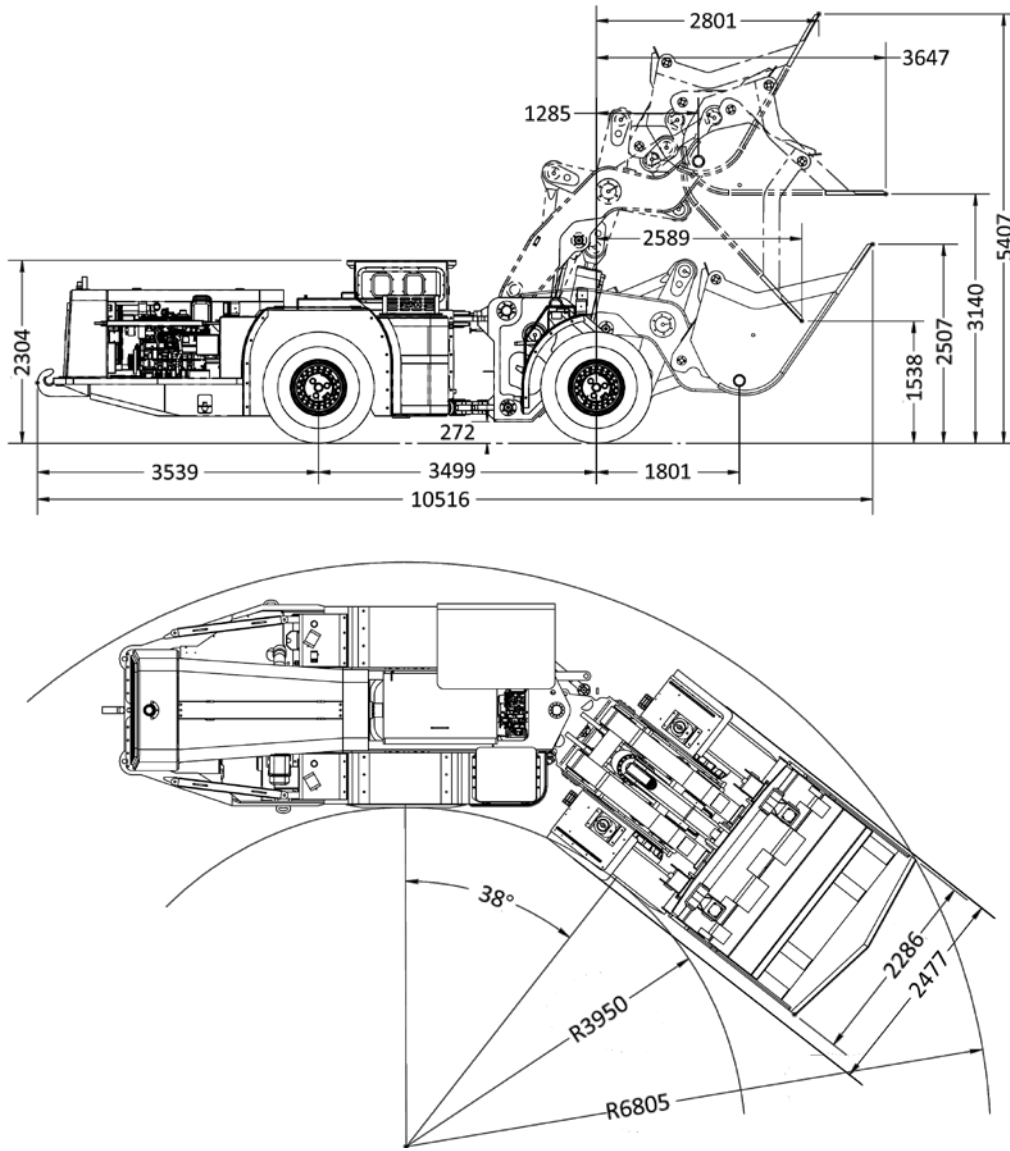
ELECTRICAL SYSTEM

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

OPTIONAL EQUIPMENT

Ejector or side dump buckets	ROPS/FOPS approved enclosed cabin
Various bucket capacities	Ride control system
Automatic centralized lubrication system	Remote control system
24 V hydraulic oil transfer pump	Wheel chocks
Fast fill system	Quick attach forklift package
Cold weather package	ANSUL Checkfire fire suppression system
Strobe light	Reverse camera system
Chain ready fenders	Air ride seating
Exhaust system wrap	Remote brake release for towing
Solid or foam filled tires	Other options available upon request

MEASUREMENTS



DIMENSIONS	mm	inches
Width	2477	98
Height	2304	91
Ground clearance	272	11
Length	10516	414

CONT'D	mm	inches
Inside turning radius	3950	156
Outside turning radius	6805	268

WEIGHT	kg	lbs
Total	31382	68524

Dimensions and weights given are for MM500D empty machine with 4 m³ (5.23 yd³) bucket, 18.00 - 25 tires, fully enclosed operator compartment, standard options, and standard body. Net machine weight changes will directly effect the payload. Material density will determine body volume figures.

All weights, dimensions, and other data reflect to 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.