



# Cat<sup>®</sup> RM500B

## Reclaimer/Stabilizer

### Features

#### ■ Easy To Use

- Controls conveniently positioned; allows one-handed operation
- Touch screen display provides clear instrumentation and alerts operator to potential problems
- Low training costs
- Innovative handwheel steering technology eliminates front console and delivers precise control

#### ■ Reliable, Efficient Operation

- Powerful Cat<sup>®</sup> C15 engine
- Standard electronically controlled all-wheel drive system and four steering modes maximize traction and mobility even in poor conditions

#### ■ Easy Service

- Most maintenance items within reach from ground
- Cooling fan auto reverses to self-clean
- Easy access to hydraulic components
- Electronic Control Module (ECM) monitors engine and systems, alerting operator to performance issues and providing troubleshooting information; full Cat Electronic Technician (Cat ET) support
- High parts availability, convenient dealer locations

#### ■ Excellent Visibility

- Cab slides left and right to optimize sight lines
- Good visibility to rotor housing and discharge material
- Operator able to align cut on left or right side
- Operator seat rotates 180 degrees for enhanced visibility
- Standard front, rear and rear chamber door WAVS remote cameras

#### ■ Dependable Rotor Drive System

- Automatic lubrication of rotor bearings
- Cat Powershift transmission with hydraulic clutch
- Self-lubricating chain drive does not need adjusting
- Heavy duty shear disk or optional torque limiter protects rotor drive

#### ■ Superior Mix Quality

- Rotor options for any task
- Three rotor speeds, selected electronically
- Electronic machine control keeps rotor at proper depth and machine at consistent speed, ensuring optimal blending performance
- Floating variable volume mixing chamber

#### ■ Optional Water and/or Emulsion Spray Systems

- Simplifies incorporation of water or additives, improves blending
- Ensures proper proportions to meet material design specifications
- Enhanced totalizer and application rate accuracy
- Ultra Low-flow Water Spray System available



- 1 Rotating Heated Seat and Console with Touchscreen Display
- 2 Handwheel Steering
- 3 Cat C15 Engine

- 4 Sliding Cab
- 5 Optional Water Pump and Emulsion Pump
- 6 Electronically Controlled Full Time All-wheel Drive



# RM500B Rotary Mixer

## Specifications

### Operating Weight\*

with Universal Rotor 16	27 970 kg (61,663 lb)
with Universal Rotor 18	28 245 kg (62,263 lb)
with Combination Rotor	27 009 kg (59,545 lb)
with Soil Rotor	27 831 kg (61,357 lb)

### Powertrain

Engine Model	Cat C15
Emissions	Equivalent to U.S. EPA Tier 3/ EU Stage IIIA, Brazil MAR-1
Gross Power - SAE J1995	403 kW (540 hp)
Net Power - ISO 14396	398 kW (534 hp)
Operating Speed	0-3.0 km/h (0-1.9 mph)
Maximum Travel Speed	10.5 km/h (6.5 mph)

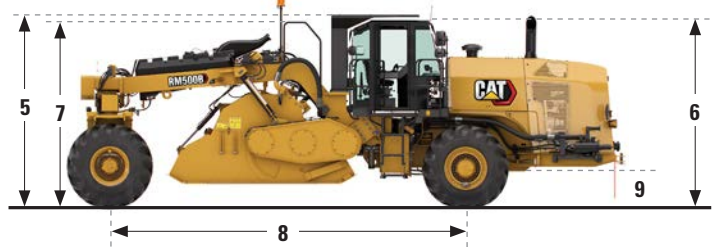
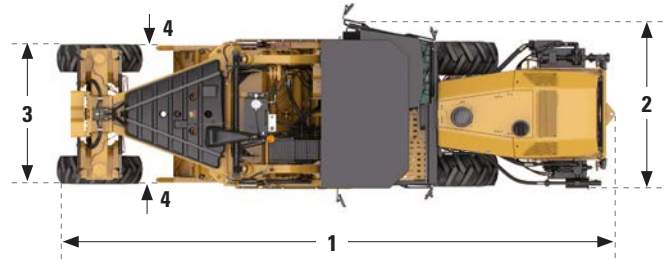
### Drive System

Propel	Hydrostatic – All-wheel Drive
Rotor Drive	3-Speed Chain
Rotor Speeds	110 / 152 / 205 rpm

### Service Refill Capacities

Fuel	1056 L (279 gal)
Cooling System	70 L (18.5 gal)
Engine Oil	52 L (13.7 gal)
Hydraulic Oil	224 L (59.2 gal)

\* Operating Weights are approximate and include ROPS, cab, coolant, lubricants, 50% full fuel tank and 75 kg (165 lb) operator.



## Dimensions

1 Overall Length	10.32 m	33.83 ft
2 Overall Width	2.98 m	9.58 ft
3 Width at Rear Wheels	2.82 m	9.17 ft
4 Rotor Hood Width	2.53 m	8.25 ft
5 Height at ROPS	3.59 m	11.78 ft
6 Height at Cab	3.50 m	11.48 ft
7 Height at Handrail	3.47 m	11.38 ft
8 Wheelbase	6.55 m	21.33 ft
9 Ground Clearance	506 mm	19.9 in
Inside Turning Radius	4.33 m	14.2 ft

## Rotor Options



	Universal 16	Universal 18	Combination	Soil
Cutting Width	2438 mm (96 in)	2438 mm (96 in)	2438 mm (96 in)	2438 mm (96 in)
Diameter	1375 mm (54 in)	1375 mm (54 in)	1625 mm (64 in)	1625 mm (64 in)
Maximum Depth	406 mm (16 in)	457 mm (18 in)	508 mm (20 in)	508 mm (20 in)
Cutting Bits	200	200	114	238
Rotor Weight	4003 kg (8,824 lb)	4373 kg (9,642 lb)	3042 kg (6,706 lb)	3864 kg (8,496 lb)

## Optional Equipment

- Torque Limiter
- Warning Beacon
- Bolt-on Counterweight
- Emulsion Spray System
- Water Spray System
- Ultra Low-flow Water Spray System
- Rooding Lights
- Folding Telescoping Push Bar
- Commissioning Support



For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2021 Caterpillar  
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

QEHQ1839-02 (06-2021)  
Replaces QEHQ2268  
LRC

