



Cat[®]

RM500B

ROTARY MIXER

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[®] C15 ACERT[™] engine
- Standard all-wheel drive and four steering modes maximize traction and mobility even in poor conditions
- Electronically controlled all-wheel drive system continually monitors and adjusts for maximum traction

■ 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 and rear WAVS remote cameras; optional rear chamber door camera

■ Dependable Rotor Drive System

- Automatic lubrication of rotor bearing
- 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 ACERT 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 Combination Rotor	27 009 kg (59,545 lb)
with Soil Rotor	27 831 kg (61,357 lb)

Powertrain

Engine Model	Cat C15 ACERT
Global Emissions	US EPA Tier 3/EU Stage IIIA
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

Rotor	3-speed Chain
Propel	Hydrostatic - All-wheel Drive

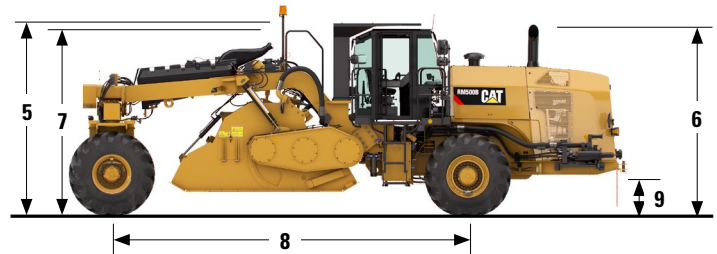
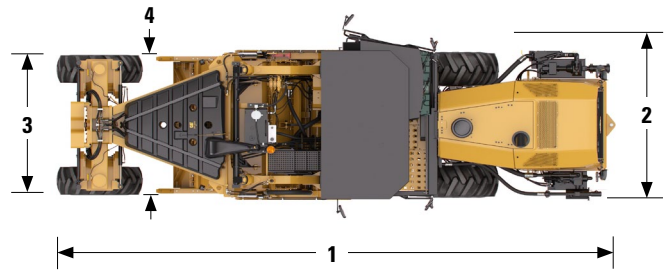
Rotor Speed

First	110 rpm
Second	152 rpm
Third	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	Combination	Soil
Cutting Width - mm (in)	2438 (96)	2438 (96)	2438 (96)
Diameter - mm (in)	1375 (54)	1625 (64)	1625 (64)
Maximum Depth - mm (in)	406 (16)	508(20)	508(20)
Cutting Bits	200	114	238
Rotor Weight - kg (lb)	4003 (8,824)	3042 (6,706)	3864 (8,496)

Optional Equipment

- Torque Limiter
- Warning Beacon
- Bolt-on Counterweight
- Product Link™
- Emulsion Spray System
- Water Spray System
- Ultra Low-flow Water Spray System
- Mirror Package
- Rooding Lights
- WAVS Camera, Chamber Door
- FOPS
- ROPS
- 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

QEHQ1839 (02/15)
LRC

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.

©2015 Caterpillar Inc.
All Rights Reserved.

CAT, CATERPILLAR, ACERT, BUILT FOR IT, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

